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OBSERVATIONS

MADE AT THE

MAGNETICAL AND METEOROLOGICAL OBSERVATORY

AT

BATAVIA.

PUBLISHED BY ORDER OF THE GOVERNMENT OF NETHERLANDS INDIA,
UNDER THE DIRECTION OF
Dr. J. P. VAN DER STOK.

VOL. XIII. 1890.

Meteorological and Magnetical Observations made during the year 1890, and general results of Meteorological Observations made during a period of twenty-five years, 1866 – 1890.

BATAVIA
PRINTED AT THE GOVERNMENT PRINTING OFFICE
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ERRATA.

Page	66	November 14	9 a. m.	for	4' 4	read	464
»	88	October 30	daily means	»	7.	»	7.2
»	136	July 9	7 p. m.	»	658	»	653
»	»	» 14	»	»	663	»	668
»	142	September 26	12 p. m.	»	627	»	696
»	142	Hourly means	»	»	692.6	»	694 6
»	149	» »	7 »	»	7 77	»	7.79
»	157	February 28.	11 a. m.	»	4	»	—4
»	165	May 22	12 p. m.	»	—5	»	—3
»	178	September 26	daily amount.	»	71	»	73
»	»	Monthly amount		»	2889	»	2891
»	183	November 2.	10 a. m.	»	2	»	12
»	197	Table 9A. January	11 p. m.	»	12.3	»	11.3
»	204	» 19. September	12 p. m.	»	5.1	»	7.1
»	»	» » Year.	12 p. m.	»	6.7	»	6.9
»	»	» » September	Total amount	»	193.5	»	195.5
»	»	» » Year.	» »	»	199.1	»	199.3
»	205	» 22. December	3 p. m.	»	1.27	»	1.37
»	209	» 30. September.	12 p. m.	»	3.4	»	3.0
»	»	» » Year.	»	»	2.95	»	2.92.
»	»	» » September	monthly means.	»	4.01	»	3.59
»	211	» 36		»	Horizontal	»	Vertical
»	240	» 77 April Mean direction	8 p. m.	»	S 53 W	»	S 63 W
»	»	» » » »	» 9 p. m.	»	S 63 W	»	S 53 W
»	245	» 82 Mean direction September 13—17		»	N 13 E	»	N 31 E
»	»	» » » » December 2—6		»	N 42 E	»	N 42 W

TABLE 31. Aggregate values and numbers of disturbances, positive and negative taken separately.

1890.	Declination in minutes of arc.				Horizontal Force. Unity = 0.00001 c. g. s.				Vertical Force. Unity = 0.00001 c. g. s.			
	Aggregate values.		Numbers.		Aggregate values.		Numbers.		Aggregate values.		Numbers.	
	Positive.	Negative.	Positive	Negative.	Positive.	Negative.	Positive.	Negative.	Positive.	Negative.	Positive.	Negative.
January .	15.0	23.0	10	14	491	432	35	28	678	687 .	47	45
February .	6.5	2.8	3	2	176	257	14	19	608	561	42	39
March . .	11.1	4.1	7	3	277	213	21	15	283	334	20	24
April . .	7.3	13.0	4	8	176	200	12	15	216	165	16	13
May. . .	3.0	2.9	2	2	269	187	16	12	241	244	16	18
June . .	—	—	—	—	99	239	8	16	202	108	15	9
July. . .	2.8	4.2	2	3	238	206	18	15	235	204	18	17
August. .	4.7	5.4	3	4	252	318	19	19	317	281	21	22
September.	18.1	17.3	11	11	484	777	27	45	345	178	24	13
October .	10.9	3.7	7	2	859	991	54	53	490	190	32	15
November .	22.3	17.3	12	12	486	584	31	29	165	206	13	14
December .	10.7	16.1	7	9	76	145	6	11	155	188	13	14
Total amount.	112.4	109.8	68	70	3883	4549	261	277	3935	3346	277	243

TABLE 32. Aggregate values, numbers of disturbances, and mean daily value and numbers, positive and negative taken conjointly.

1890.	Declination in minutes of arc.				Horizontal Force. Unity = 0.00001 c. g. s.				Vertical Force. Unity = 0.00001 c. g. s.			
	Aggregate values.	Numbers.	Mean daily value.	Mean daily number.	Aggregate values.	Numbers.	Mean daily value.	Mean daily number.	Aggregate values	Numbers.	Mean daily value.	Mean daily number.
January . .	38.0	24	1.23	0.8	923	63	29.8	2.0	1365	92	44.0	3.0
February .	9.3	5	0.33	0.2	433	33	15.5	1.2	1169	81	41 8	2.9
March . .	15.2	10	0.49	0 3	490	36	15.8	1.2	617	44	19.9	1.4
April. . .	20.3	12	0.68	0.4	376	27	12.5	0.9	381	29	12.7	1.0
May . . .	5.9	4	0.19	0.1	456	28	14.7	0.9	485	34	15.6	1.1
June . . .	—	—	—	—	338	24	11.3	0.8	310	24	10.3	0.8
July . . .	7.0	5	0.23	0.2	444	33	14.3	1.1	439	35	14.2	1.1
August . .	10.1	7	0.33	0.2	570	38	18.4	1.2	598	43	19.3	1.4
September .	35.4	22	1.18	0.7	1261	72	42.0	2.4	523	37	17.4	1.2
October . .	14.6	9	0.47	0.3	1850	107	59 7	3.5	680	47	21.9	1.5
November .	39.6	24	1.32	0.8	1070	60	35.7	2.0	371	27	12.4	0.9
December .	26.8	16	0.86	0.5	221	17	7.1	0.5	343	27	11.1	0.9
Total amount. Means.	222.2	138	7.31 0.609	4.5 0.38	8432	538	276.8 23.07	17.7 1.48	7281	520	240.6 20.05	17.2 1.43

PREFACE.

1. The present volume, the thirteenth of the whole series, contains the meteorological and magnetical observations made during the year 1890 and the corresponding summarizing tables, printed according to the plan originally adopted in Vol. IX of the *Observations.*

2. A series of observations, made during a period of twenty-five consecutive years having been closed, however, with the year 1890, it has been thought advisable to publish in this issue, besides the usual annual amount of matter, a rather circumstantial report of general results for the whole period.

These results are given in a way somewhat different from the plan followed in Volumes III, V and VI, in order to concentrate as much as possible the large bulk of results; some tables of of minor importance having been omitted together with such tables as can easily be derived from other ones.

Great importance has been attached to the publication of mean values for consecutive periods of five years, this mode of publication allowing the reader at once to form an opinion about the degree of stability in the different elements and about the fluctuations to which the equatorial climate of Batavia is subject, and to compare these fluctuations of the principal meteorological elements with those observed during corresponding periods in high latitudes.

So the tables containing the general results for the temperature of the air give immediate evidence that the five-yearly period of low temperature experienced in the last years in Europe does not correspond with similar phenomena in equatorial regions, but rather with a period of unusual high temperatures and great drought.

I have refrained from giving general summarizing tables of *Duration of Sunshine,* of *Electric Potential of the Atmosphere* and of observations of *Black Bulb Thermometer in Vacuo,* because the records of those elements do not extend over a period of five or more years.

Neither has it been deemed advisable to give general results of Magnetical Observations before a complete cyclus of sunspot-frequency be closed, which will be the case about 1895, the continuous records of magnetical observations commencing with April 1885.

Moreover the annual results of the magnetical records have purposely been given in such a way as to facilitate a mutual comparison of the results for different years without expenditure of much labour.

From the wind-tables it appears that the date at which the West-monsoon sets in, may be fairly assumed to be the 15th November and that at which the East-monsoon begins, about the first of April.

Conformably to earlier publications the investigation of the moon's influence upon meteorological elements has been continued up to the present time: the mean annual results of the Lunar atmospheric Tide are printed only from 1885 upwards, those bearing relation to previous years having been given in Volume VI.

The question whether the variation of the cloudiness with the moon's hour-angle has to be regarded as an objective (or generic) or as a merely individual and subjective phenomenon, is a difficult one, insusceptible at present of a solution: but the fact proved beyond a possibility of doubt, not only at Batavia, but at a large number of European stations, that the moon has an appreciable influence on the number of thunderstorms, evidently points to an objective causal connection.

The form of the curve decidedly shows an increase of cloudiness as the moon rises above the horizon: after moonset however the cloudiness does not decrease at a continuous rate, but apparently remains constant: thence it would be advisable perhaps not to assume negative values during that part of the lunar day, but to increase the positive numbers with the mean value of the departures during the time when the moon is below the horizon, thus taking as zero-line the line of zero-cloudiness instead of that of mean cloudiness.

A curious inference, of some importance with respect to the reality of results arrived at by statistical means, is suggested by the alleged influence of the moon's phase upon the daily range of the temperature, which seemed fairly proved in previous publications, but is rather vaguely defined in the results of the total series.

On comparing the number of thunderstorms observed during 1882, as printed in Volume VI (table 167) with those given in table 95 of this Volume, it will be found that the numbers printed in Volume VI are evidently based on some error.

Volume VI having been printed during my absence from Batavia, I am not in a condition to point out the origin of the error.

The numbers given in table 95 have been borrowed directly from the records made by the observers in the respective diary.

3. As regards the results of observations made during the year 1890, the following remarks will be found of some importance.

Tables 51 and 52 on page 210 have to be replaced by the corresponding tables in the errata: the erroneous values: 1'.1, 0.00015, 0.00015, having been taken respectively instead of 1'.5, 0.00011, 0.00011 c. g. s. as limiting values for the Declination, Horizontal Force and Vertical Force in calculating the said tables.

In April the Dip-circle, Barrow, 55, which had been sent to London for reparation, cleaning and readjustment, was received back from the Meteorological Office. A comparison of observations of Inclination made with this newly adjusted instrument and the old Dip-circle, Barrow, 56, which had been in use from 1864 till 1890 and seemed to be in good state, showed for the same needle, as a mean of a long series of observations, a constant difference of 4'.5 in the Inclination.

To the values found during the first three months of the year this quantity has been added accordingly and so, on comparing Inclination-values given in this and the following Volumes with those given in preceding ones, one will have to add 4.5 minutes of arc to the latter.

The corresponding increase of the Vertical Force is 0.00060 and that of the Total Force 0.00029 c. g. s.

The monthly means in absolute measure of the H. F. given in table 16, page 202, show some sudden increases; the one from February to March having to be ascribed to remagnetisation of the vibration-magnet, causing an increase of the observed force, notwithstanding the introduction in the computation of a newly calculated value for P.

In a similar way the large values for November and December are to be attributed to the fact that the magnetic moment of the small deviation-magnet with mirror had to be made greater, which should not have any influence upon the determination of the force, but nevertheless *has* an evident influence which as yet is not fully understood.

So long as the observed value of the Inclination shall depend in quite an appreciable way, not only on the dimensions of the dip-needle, but also on the dip-circle; so long, too, as the value found for the Horizontal Force varies with the magnetic moment of the needles and the rather undefined peculiarities of different instruments: observations of this kind can hardly be called absolute determinations and must be considered of no use in calculating small variations of long duration, as e. g. annual variation.

In July the water-collector of the Electrometer was removed to a corner of the gallery surrounding the anemometer-building and placed at a height of 7.8 metres above the ground.

This was done not only that larger potentials might be obtained, but also with a view to ensure a better emplacement, more exempt from influences of surrounding objects than the old place made possible, which was rather too near the ground.

Observations made with a second collector, put up at another height, will be undertaken, with a view to state the increase of electric potential with the height above the earth's surface.

Batavia, November 1891. VAN DER STOK.

METEOROLOGICAL OBSERVATIONS

BATAVIA

1890.

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BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	6.10	5.96	5.99	6.25	6.46	6.83	7.24	7.45	7.48	7.11	6.73	6.22	—
	2	6.54	6.23	6.05	6.19	6.65	7.01	7.53	7.78	8.05	7.94	7.47	6.85	—
	3	7.19	6.66	6.95	6.94	7.11	7.55	7.91	8.56	8.69	8.49	8.02	7.51	—
	4	7.25	6.79	7.09	7.08	7.16	7.55	8.31	8.60	8.74	8.63	8.30	7.81	—
	5	7.79	7.59	7.69	7.96	7.99	8.50	8.92	9.35	9.54	9.26	8.62	8.47	—
	6	9.38	9.05	8.83	8.69	9.35	9.88	10.46	10.95	11.01	10.95	10.82	10.62	—
	7	9.86	9.58	9.30	9.31	9.61	10.04	10.41	10.65	10.70	10.61	10.19	9.60	—
	8	9.48	8.99	8.80	8.78	8.89	9.35	9.86	10.26	10.44	10.07	9.59	8.88	—
	9	8.59	7.90	7.63	7.74	7.80	8.51	9.13	9.61	9.59	9.16	8.59	8.22	—
	10	7.50	7.28	7.15	6.97	7.40	7.87	8.22	8.70	8.54	8.29	7.78	7.25	—
	11	7.86	7.59	7.26	7.37	7.75	7.96	8.34	8.95	9.09	8.81	8.34	8.08	—
	12	8.23	7.73	7.45	7.52	7.66	7.82	8.17	8.30	8.48	8.05	7.58	6.95	—
	13	7.28	6.89	6.83	6.64	6.56	6.78	7.19	7.66	7.67	7.01	6.62	6.17	—
	14	6.69	6.18	6.10	5.88	6.05	6.46	6.89	7.05	7.17	6.98	6.87	6.53	—
	15	6.99	6.85	6.26	6.23	6.35	6.83	7.08	7.85	7.88	7.76	7.37	6.49	—
	16	6.62	6.00	5.84	6.00	6.21	7.03	7.88	8.46	8.75	8.70	8.43	7.90	—
	17	7.58	7.15	6.81	6.64	6.66	7.57	8.10	8.81	8.84	8.73	8.23	7.68	—
	18	8.09	7.54	7.36	7.35	7.26	7.64	8.40	9.05	9.29	8.93	8.70	7.95	—
	19	7.15	6.89	6.90	6.91	6.85	7.27	7.71	8.24	8.40	8.39	8.20	7.68	—
	20	7.51	7.04	6.71	6.64	6.82	7.20	7.53	7.64	7.76	7.99	7.62	7.45	—
	21	7.74	7.28	7.04	6.68	6.78	7.19	7.60	7.83	7.90	7.89	7.52	7.25	—
	22	7.28	7.03	6.79	6.52	6.79	6.88	7.79	8.09	8.35	7.94	7.56	6.90	—
	23	6.53	6.24	6.00	5.96	6.19	6.35	6.88	7.20	7.34	6.92	6.73	6.47	—
	24	6.78	6.60	6.33	6.36	6.69	6.69	7.38	8.17	8.23	8.28	7.93	7.63	—
	25	7.90	7.42	7.09	7.11	7.53	7.74	8.01	8.45	8.63	8.38	7.40	7.10	—
	26	7.79	7.12	7.00	7.19	7.05	7.21	7.78	8.61	8.76	8.72	8.30	8.25	—
	27	7.91	7.77	7.47	7.27	7.27	7.79	8.41	8.85	8.86	8.74	8.16	7.66	—
	28	8.59	8.49	7.85	7.91	7.95	8.30	8.57	8.95	8.89	8.88	8.83	8.39	—
	29	8.86	8.17	7.97	8.18	8.75	8.72	9.33	9.80	10.01	9.96	9.72	9.11	—
	30	9.06	9.06	8.53	8.55	8.56	8.94	9.51	9.95	9.99	9.99	10.10	9.72	—
	31	9.42	9.09	9.00	9.11	9.44	9.94	10.46	10.99	11.24	11.01	10.59	9.88	—
Hourly Means.		7.79	7.42	7.23	7.22	7.41	7.79	8.29	8.74	8.85	8.66	8.29	7.83	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	5.37	4.63	4.24	4.03	4.19	4.71	5.62	6.32	6.83	7.39	7.34	7.04	6.15
	2	6.17	5.26	4.75	4.28	4.73	5.53	6.17	6.98	7.45	7.71	8.10	7.60	6.63
	3	6.91	5.99	5.20	5.01	5.11	5.77	6.62	7.45	8.22	8.48	8.34	7.79	7.19
	4	7.16	6.37	5.88	5.51	5.54	6.31	6.82	7.57	8.13	8.34	8.24	8.04	7.38
	5	7.73	6.91	6.56	6.67	6.96	7.36	7.76	8.67	9.52	9.65	9.69	9.45	8.28
	6	10.16	9.59	9.25	9.03	9.36	9.70	9.85	10.19	10.61	10.70	10.72	10.24	9.97
	7	9.15	8.46	8.00	7.90	8.20	8.65	9.07	9.57	10.21	10.35	10.23	9.85	9.56
	8	7.82	7.04	6.33	6.27	6.39	7.03	7.39	7.97	8.59	8.88	8.96	8.78	8.54
	9	7.40	6.87	6.10	6.37	6.62	7.25	7.63	7.74	8.13	8.25	8.41	8.04	7.97
	10	6.88	6.39	5.77	5.81	6.23	6.48	7.09	7.87	8.29	8.26	8.29	8.26	7.44
	11	7.52	6.80	6.00	5.99	6.37	6.94	7.55	7.85	8.23	8.40	8.75	8.73	7.77
	12	6.38	5.85	4.95	4.91	5.28	6.02	6.53	7.13	8.02	7.85	8.15	7.69	7.20
	13	5.67	5.03	4.33	4.25	4.48	5.42	6.14	6.54	7.02	7.35	7.24	7.08	6.41
	14	5.80	5.22	4.48	4.17	4.56	5.35	6.17	6.72	7.55	7.75	7.91	7.70	6.34
	15	6.03	5.33	4.95	4.98	5.04	5.64	6.13	6.70	7.08	7.25	7.53	7.30	6.58
	16	7.00	6.39	5.97	5.74	6.19	6.62	6.99	7.51	8.14	8.16	8.22	8.09	7.20
	17	7.38	6.63	5.75	6.02	6.26	6.63	7.82	8.04	8.65	9.09	8.97	8.55	7.61
	18	7.28	6.75	5.92	5.73	5.93	6.47	7.38	8.10	8.49	8.50	8.29	7.73	7.67
	19	6.92	6.38	6.51	6.25	6.38	6.68	7.05	7.40	7.93	8.25	7.98	7.89	7.34
	20	6.71	5.91	5.63	5.31	5.48	6.02	6.86	7.24	7.68	8.15	8.14	7.96	7.04
	21	6.52	6.31	5.97	6.02	6.22	6.51	6.92	7.25	7.70	7.96	7.89	7.65	7.15
	22	6.16	5.55	5.13	4.81	5.09	5.65	5.78	6.44	6.78	7.14	7.03	6.63	6.67
	23	5.72	4.88	4.37	4.15	3.99	4.75	5.47	6.27	6.87	7.32	7.54	7.30	6.14
	24	7.11	6.67	5.85	5.72	5.95	6.60	7.37	7.73	8.41	8.70	8.83	8.29	7.26
	25	6.82	5.77	5.28	5.28	5.57	6.23	6.61	7.07	7.42	7.90	8.09	7.91	7.20
	26	7.50	6.60	6.44	6.08	6.42	6.97	7.53	7.79	8.16	8.29	8.38	8.25	7.59
	27	7.20	6.51	6.11	6.03	6.32	6.88	7.69	8.23	8.65	9.06	9.79	9.31	7.83
	28	8.26	7.31	6.72	6.70	7.07	7.69	8.19	8.74	9.41	9.75	9.84	9.44	8.36
	29	8.63	8.33	7.75	7.48	7.42	8.08	8.72	9.49	9.64	10.09	9.89	9.55	8.90
	30	9.02	8.54	8.23	7.97	8.00	8.58	8.80	9.20	9.66	10.23	10.15	9.64	9.17
	31	9.71	9.04	8.63	8.28	8.53	9.02	9.29	9.85	10.53	10.90	11.23	10.84	9.83
Hourly Means.		7.23	6.56	6.03	5.90	6.13	6.69	7.26	7.79	8.32	8.58	8.65	8.34	7.63

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	76.0	76.2	76.0	75.8	75.2	74.8	75.5	77.8	80.3	83.5	85.0	86.1	—
	2	75.7	74.8	74.3	74.2	74.5	73.7	75.2	78.5	81.3	84.2	86.6	88.4	—
	3	77.7	76.9	75.5	75.7	75.0	74.4	75.7	78.0	80.3	84.0	86.2	88.9	—
	4	76.0	75.1	74.7	73.8	73.2	72.8	74.0	77.2	80.4	82.3	84.8	88.0	—
	5	75.9	75.3	74.4	74.0	73.8	73.3	74.1	76.5	78.4	82.0	84.3	87.0	—
	6	77.8	77.4	77.0	76.6	76.0	75.8	76.1	77.9	80.3	81.0	80.8	81.3	—
	7	75.4	75.6	75.0	74.6	74.0	73.5	75.0	78.0	80.2	82.5	84.0	84.8	—
	8	76.3	76.0	75.4	75.5	75.2	74.8	75.0	75.2	76.6	79.4	81.5	81.5	—
	9	77.0	76.5	76 4	76.3	76.1	75.7	76.0	77.3	79.8	82.0	83.9	85.2	—
	10	74.6	74.4	74.0	73.5	73.1	72.9	73.4	74.9	77.6	80.7	83.9	86.0	—
	11	74.8	74.2	73.6	73.2	73.0	73.0	73.7	75.3	77.8	79.1	80.7	81.4	—
	12	75.3	75.0	74.4	73.7	73.3	73.0	74.2	77.4	80.8	84.0	86.0	88.0	—
	13	77.0	76.0	75.2	74.8	74.4	74.1	75.0	77.1	79.8	82.6	84.5	85.4	—
	14	77.1	76.5	75.7	75.4	75.0	74.3	75.1	77.3	80.2	83.7	84.7	84.8	—
	15	76.6	76.4	76.0	75.6	75.1	74.8	75.5	77.8	79.8	81.5	83.4	85.7	—
	16	76.5	75.8	75.6	75.2	75.0	75.0	75.3	76.5	79.2	78.5	80.0	80.4	—
	17	75.6	75.4	74.9	74.1	73.6	73.2	74.4	76.2	80.0	82.8	84.0	85.5	—
	18	75.0	74.7	74.1	73.7	73.2	73.0	74.0	76.4	78.8	82.1	84.5	86.8	—
	19	75.9	75.5	75.2	74.8	74.0	73.2	73.6	76.0	79.6	82.0	83.0	84.7	—
	20	74.0	73.6	73.0	72.4	72.1	72.1	73.0	75.8	79.0	82.6	85.5	86.6	—
	21	77.7	77.2	76.6	76.0	75.6	75.0	75.8	77.7	81.1	82.8	84.6	86.4	—
	22	77.6	77.2	77.0	76.6	75.8	75.2	76.2	79.0	81.8	84.2	86.0	88.2	—
	23	76.5	76.0	75.5	75.0	74.7	74.2	75.0	77.7	81.0	83.6	86.0	87.8	—
	24	79.1	78.4	78.0	77.4	77.4	77.1	77.3	79.4	81.8	83.5	83.7	83.7	—
	25	77.6	77.2	77.0	76.8	76.0	75.4	75.8	77.2	79.3	82.0	84.4	84.7	—
	26	76.2	75.8	75.4	75.5	74.7	74.5	75.0	76.5	78.5	78.1	77.8	75.2	—
	27	73.4	73.6	73.8	73.4	73.0	72.5	73.2	75.2	78.8	81.2	83.8	84.2	—
	28	74.7	73.8	73.2	73.0	73.0	73.0	73.4	74.7	78.0	80.6	82.2	83.3	—
	29	72.2	71.5	71.0	71.1	71.2	71.2	72.0	74.0	76.4	79.6	81.4	82.2	—
	30	75.2	75.5	75.2	75.0	74.5	74.3	74.6	76.4	79.2	81.1	80.5	81.8	—
	31	77.4	77.2	77.0	76.6	76.0	78.7	77.6	79.8	80.2	80.1	82.1	82.9	—
Hourly Means.		76.06	75.64	75.16	74.82	74.41	74.15	74.83	76.93	79.56	81.85	83.54	84.74	—

Mean Batavia Time.		1 P. M.	2	3	4	5	·6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	86.7	88.1	87.0	87.0	86.5	84.7	82.9	81.0	79.7	78.8	77.7	76.7	80.79
	2	89.4	88.4	87.4	89.1	88.2	85.7	83.1	82.0	80.8	80.0	79.0	78.3	81.37
	3	91.2	91.5	91.0	90.0	88.2	86.2	84.0	82.4	80.8	79.4	78.2	77,2	82.02
	4	87.5	88.0	85.4	85.7	86.2	83.7	82.2	81.2	79.5	78.5	77.6	76.7	80.19
	5	87.7	87.2	85.5	85.2	84.4	83.9	82.3	80.7	80.3	79.1	78.6	78.1	80.08
	6	81.5	81.5	81.0	80.8	80.5	79.5	78.8	78.0	77.3	76.9	76.0	75.7	78.56
	7	85.9	85.3	84.4	84.1	82.1	81.0	80.5	79.7	78.2	77.3	76.7	76.1	79.33
	8	83.0	84.2	84.4	83.0	81.5	81.0	80.1	79.6	79.0	78.6	78.0	77.2	78.83
	9	85.0	83.8	83.6	82.0	80.7	77.6	77.0	76.0	75.9	75.9	75.8	75.0	78.77
	10	84.8	83.7	82.0	78.6	78.4	78.2	77.1	76.8	76.2	76.0	75.6	75.0	77.56
	11	81.4	81.0	80.8	80.8	80.5	80.3	79.9	78.1	77.0	76.4	76.0	76.1	77.42
	12	86.5	84.5	85.0	85.5	85.0	83.4	81.7	80.1	80.0	79.0	78.0	77.4	80.05
	13	84.6	84.0	84.2	84.1	83.2	81.7	81.0	80.2	79.5	79.1	78.1	77.3	79.70
	14	83.6	80.4	81.0	83.3	83.9	82.4	81.5	81.0	79.0	77.2	76.5	76.5	79.42
	15	84.7	83.2	81.3	80.9	80.7	80.4	79.6	79.4	78.6	78.1	77.6	77.0	79.15
	16	80.7	80.0	80.6	81.0	81.0	80.5	79.6	79.0	78.6	78.0	77.0	76.4	78.14
	17	83.7	84.0	84.7	83.2	80.4	79.9	79.1	78.3	77.2	76.9	76.5	75.6	78.72
	18	84.1	81.0	82.5	84.0	82.6	81.7	81.1	79.6	78.4	77.5	76.8	76.2	78.83
	19	85.6	83.0	79.2	78.3	78.1	77.1	76.4	76.0	75.8	75.0	75.0	74.6	77.57
	20	88.0	87.7	86.0	85.0	83.3	82.8	82.2	81.6	81.0	79.8	79.2	78.6	79.79
	21	86.1	85.6	84.2	83.0	82.7	81.2	80.3	79.7	79.4	79.0	78.2	78.0	80.16
	22	88.5	87.0	83.2	83.2	83.3	80.3	78.1	77.3	76.3	76.6	76.5	76.6	80.07
	23	88.3	89.2	87.8	84.3	86.0	84.2	82.9	81.7	81.0	80.3	80.1	79.6	81.18
	24	80.4	77.3	79.0	79.7	80.2	80.5	79.6	79.0	78.5	78.0	77.8	77.6	79.35
	25	84.5	87.0	86.0	85.3	83.0	81.9	80.6	79.8	79.0	78.6	78.2	77.8	80.21
	26	76.0	76.5	77.1	77.9	78.3	77.9	76.8	76.0	75.5	74.5	74.0	73.8	76.15
	27	83.9	84.1	83.1	82.6	81.3	77.7	76.7	76.7	76.5	76.1	75.0	74.3	77.67
	28	80.2	84.0	85.0	82.7	82.0	80.2	79.7	79.0	78.3	77.6	77.2	73.1	78.00
	29	82.6	83.9	83.4	82.6	81.8	81.0	80.8	77.2	76.3	76.0	76.0	76.0	77.14
	30	81.1	82.0	81.0	81.2	81.0	80.7	80.3	80.4	80.2	79.7	78.5	77.7	78.63
	31	82.0	81.7	82.2	81.8	81.5	78.9	77.4	77.0	76.4	76.4	76.2	76.0	78.88
Hourly Means.		84.49	84.15	83.52	83.09	82.47	81.17	80.11	79.18	78.39	77.75	77.15	76.52	79.15

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	832	825	832	848	863	879	872	836	781	653	639	637	—
	2	872	888	904	904	888	911	888	799	719	655	589	549	—
	3	812	834	872	864	871	887	841	813	753	648	588	519	—
	4	832	863	871	895	903	902	878	805	732	661	587	525	—
	5	832	855	870	869	869	894	904	810	739	647	573	514	—
	6	797	804	827	842	864	864	856	813	788	776	761	756	—
	7	905	898	904	913	921	920	871	829	752	661	634	586	—
	8	873	906	922	914	930	939	930	939	906	824	749	756	—
	9	907	915	915	915	906	915	923	875	810	736	687	718	—
	10	956	947	947	956	955	955	956	939	860	775	735	617	—
	11	947	947	947	955	955	955	929	914	852	839	761	756	—
	12	905	914	921	938	937	937	921	835	746	667	623	600	—
	13	907	915	914	922	939	947	930	875	788	710	663	679	—
	14	883	906	905	914	913	921	897	859	774	654	651	644	—
	15	874	882	890	889	897	913	898	829	810	777	705	629	—
	16	890	905	905	922	930	930	914	882	823	838	803	804	—
	17	905	922	930	921	929	929	921	899	795	723	706	704	—
	18	922	922	930	921	946	946	947	891	823	722	651	633	—
	19	906	905	914	922	938	929	938	906	802	737	691	658	—
	20	930	929	929	937	936	955	946	856	772	690	635	602	—
	21	884	891	906	923	931	939	923	884	791	738	702	656	—
	22	917	916	907	916	931	939	931	838	750	701	641	643	—
	23	899	923	940	947	939	938	930	876	813	748	694	619	—
	24	839	846	861	875	875	891	907	870	736	740	727	734	—
	25	859	875	866	866	890	898	881	867	816	758	675	651	—
	26	873	898	905	914	956	956	956	924	862	853	901	914	—
	27	920	914	938	956	955	955	955	923	862	769	706	694	—
	28	930	947	946	955	955	955	956	930	853	797	744	754	—
	29	901	909	917	935	935	945	946	947	866	810	784	737	—
	30	930	922	914	922	939	947	947	826	802	769	738	672	—
	31	907	916	907	924	940	799	859	795	781	766	758	752	—
Hourly Means.		889	898	905	913	921	922	915	867	799	737	694	668	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	627	608	628	653	613	637	675	733	780	815	844	874	749
	2	520	627	629	542	572	647	657	693	732	751	785	807	730
	3	491	466	479	495	540	528	601	632	709	733	768	804	688
	4	563	542	678	653	580	575	653	663	705	738	774	802	724
	5	565	592	640	626	662	679	673	738	744	763	777	790	734
	6	749	706	697	648	702	757	815	836	859	866	898	898	799
	7	585	594	584	608	680	732	767	802	844	866	882	881	776
	8	738	693	661	703	756	783	803	832	862	869	884	907	837
	9	717	741	692	742	789	875	906	923	923	931	948	956	849
	10	717	741	844	877	853	861	900	924	923	931	940	947	877
	11	776	768	782	789	804	811	840	853	891	906	906	890	866
	12	670	756	737	666	670	677	658	722	729	831	853	875	783
	13	676	706	700	687	739	784	805	833	847	847	868	875	815
	14	725	811	835	732	700	751	791	812	785	827	833	833	807
	15	737	746	843	805	827	849	870	863	853	861	875	891	834
	16	789	803	789	790	812	804	848	854	862	884	907	915	858
	17	754	741	716	704	788	825	847	869	875	858	882	898	835
	18	727	797	758	727	722	763	813	840	877	883	891	899	831
	19	667	753	878	876	876	883	906	915	923	930	922	939	863
	20	614	612	648	670	712	752	758	784	812	863	894	877	796
	21	682	673	708	746	773	791	811	833	878	878	901	901	823
	22	645	678	831	817	802	773	820	859	882	874	874	882	824
	23	627	600	687	840	675	702	738	784	820	834	818	832	801
	24	767	907	878	879	872	842	802	815	846	868	867	859	838
	25	730	633	605	666	746	720	767	780	807	837	845	860	787
	26	906	874	843	829	821	806	818	832	872	888	912	921	885
	27	734	727	766	801	850	916	957	948	932	931	905	939	873
	28	736	680	632	759	764	796	824	823	845	859	859	876	841
	29	716	673	632	688	735	804	842	765	833	856	873	905	831
	30	798	743	798	769	769	797	804	789	781	833	877	892	832
	31	736	749	750	749	762	869	932	940	957	948	957	948	850
Hourly Means.		693	701	721	727	740	767	797	816	838	857	872	883	814

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	S W	S W	S W	S W	S W	S W	S W	S W	W S W	W	N W	W N W
	2	C	C	C	W N W	W N W	C	W N W	W N W	W S W	W	W	N N W
	3	C	C	C	C	C	C	W	W	S W	S W	W S W	W
	4	W	W	C	C	C	C	W	W	W N W	W	W	W S W
	5	W	C	C	C	C	W	W	W	W	W	W	W
	6	N W	N W	N W	C	N W	C	N W	N W	N W	N N W	N W	N N W
	7	C	C	C	C	C	C	N W	N W	N W	N W	N N W	N
	8	N	N	N	C	C	N	N	N	N N W	N W	N W	N W
	9	C	C	N	C	C	C	N	W	W N W	N N W	N W	N
	10	C	W	C	C	C	W	W	W	W N W	N W	W	N W
	11	C	C	C	C	C	S W	S W	S W	S W	N W	N W	N N W
	12	C	C	C	C	C	C	N W	W	W N W	W	W N W	W N W
	13	W N W	W N W	W N W	W N W	W N W	W N W	W N W	W N W	N W	N W	N W	N
	14	N W	N W	N W	N W	C	C	N W	S W	W S W	W N W	N W	N W
	15	W	W	W	W	C	C	W	W	W	N W	N W	W N W
	16	C	C	N W	C	G	C	N W	N W	N W	N N W	N N W	N N W
	17	C	W N W	W N W	W S W	C	C	W S W	W S W	N W	N W	N	N
	18	C	C	C	C	C	C	S	S	S	S S E	S E	S W
	19	C	C	C	C	C	C	S S W	W S W	W S W	N W	N W	W N W
	20	C	C	C	C	C	C	S S W	S S W	S S W	S S W	S S W	N W
	21	W N W	W N W	W N W	C	C	C	W N W	W	N W	N	N	N
	22	C	C	C	C	S W	C	S W	S W	W N W	N	N	N
	23	C	C	C	C	C	C	W S W	W S W	W	W	W N W	W
	24	W S W	W S W	W S W	W S W	W S W	W S W	W S W	W N W	N W	N W	N W	N N W
	25	W	W S W	W S W	W	W	W	W	W	W	W N W	W N W	W N W
	26	W	W	W	W N W	W N W	W N W	C	W N W	W	S W	W S W	W N W
	27	C	C	C	C	C	C	C	W	W	W N W	N W	N N W
	28	C	W	S W	W S W	W S W	W S W	W S W	W S W	W S W	W	W N W	W
	29	W	C	C	C	C	C	C	C	W	W	N	N N W
	30	N E	N N W	N N W	C	C	C	C	N N W	N N W	N	N N W	N N W
	31	C	C	C	C	N N W	N W	N W	N W	N N W	N N W	N	N N W

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	N W	N W	N W	N W	W N W	W N W	W N W	W N W	W N W	W N W	C	C
	2	N W	N	N	W N W	W N W	W N W	W	W	W	W	C	C
	3	W	W	W N W	W N W	W N W	W	W	W	W	W	W	W
	4	N N W	N W	N	N N W	N W	W N W	W	W	W	W	W	W
	5	N	N	N	N	N N W	N N W	N W	N W	N W	N W	N W	N W
	6	N N W	N N W	N W	N W	N W	N W	N W	C	C	C	C	C
	7	N N W	N N W	N N W	N	N	N	N	C	C	N	N	N
	8	N	N	N	N	N	N	N	N	C	C	C	C
	9	N	N	N N W	N W	W	W	C	C	C	C	C	C
	10	N	N	N W	S W	S W	C	C	C	C	C	C	C
	11	N	N	N W	N W	N W	N W	N W	C	C	C	N W	N W
	12	N N W	N N W	N W	W S W	N W	W N W	W N W	W N W	C	C	C	C
	13	N	N	N N W	W	N W	N W	N W	N W	N W	N W	N W	N W
	14	N	N W	N W	N W	W N W	N W	N W	N W	S W	S W	S W	S W
	15	N	N N W	N	N W	N W	N W	N W	N W	N W	C	C	C
	16	N N W	N N W	N W	W N W	N W	W N W	C	C	C	C	C	C
	17	N E	N N W	N N W	W N W	W N W	W N W	W N W	W N W	W S W	S	C	C
	18	N N E	N E	N N E	N	N	N	N W	W S W	S W	S S W	S S W	C
	19	N	N E	S S E	S	S S W	S S W	S S W	S S W	C	C	S S W	C
	20	N W	N W	N N W	N N E	N	N	W N W	W N W	W N W	C	W N W	W N W
	21	N	N	N	N	N N W	W	S W	S W	S W	S W	S W	C
	22	N	N	N	N	N W	W S W	W S W	W S W	C	C	W S W	W S W
	23	W N W	W N W	N W	N	W	W	W	W	W N W	W S W	W	W
	24	N W	N W	N W	N W	W N W	W N W	W	W	W	W	W	W
	25	W S W	W N W	W N W	W S W	W	W N W	W	W	W	W	W	W
	26	W	W N W	N W	W N W	W	W	W	W	C	C	C	C
	27	N	N	W	W	S W	N W	N N W	N N W	W N W	W S W	N N E	N N E
	28	W	N W	W	S W	W	W S W	W S W	W S W	W	W	W	W
	29	N W	N W	N N W	N	N N W	N	N	N E	N E	N E	N E	N E
	30	N N W	N N W	N	N	N	N	N	N	N	N	C	C
	31	N N W	N N W	N	N	N N W	N N W	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	2.4	2.4	1.6	0.8	0.8	0.8	2.4	6.4	5.6	6.4	5.6	7.2	—
	2	0.0	0.0	0.0	1.6	0.8	0.0	1.6	2.4	3.2	5.6	4.8	5.6	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	4.8	5.6	7.2	—
	4	0.8	0.8	0.0	0.0	0.0	0.0	0.8	3.2	4.0	6.4	5.6	5.6	—
	5	0.8	0.0	0.0	0.0	0.0	0.8	1.6	4.0	4.0	4.0	4.0	4.8	—
	6	1.6	1.6	0.8	0.0	0.8	0.0	2.4	7.2	9.7	12.9	16.9	17.7	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	8.0	11.3	13.7	—
	8	1.6	0.8	0.8	0.0	0.0	0.8	0.8	0.8	4.8	8.0	11.3	8.9	—
	9	0.0	0.0	0.8	0.0	0.0	0.0	1.6	2.4	4.8	6.4	8.9	12.9	—
	10	0.0	1.6	0.0	0.0	0.0	0.8	0.8	0.8	2.4	5.6	4.8	8.0	—
	11	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.0	4.0	6.4	4.8	6.4	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	6.4	8.0	9.7	11.3	—
	13	1.6	1.6	0.8	0.8	1.6	1.6	0.8	3.2	7.2	8.0	12.9	12.9	—
	14	1.6	0.8	0.8	0.8	0.0	0.0	0.8	3.2	5.6	10.5	10.5	8.0	—
	15	3.2	1.6	1.6	0.8	0.0	0.0	1.6	3.2	4.8	7.2	8.0	8.9	—
	16	0.0	0.0	0.8	0.0	0.0	0.0	1.6	1.6	8.0	9.7	9.7	10.5	—
	17	0.0	0.8	1.6	0.8	0.0	0.0	0.8	0.8	4.0	6.4	4.0	6.4	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	1.6	4.8	6.4	8.0	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	4.8	4.8	5.6	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	4.8	4.8	5.6	—
	21	0.8	0.8	0.8	0.0	0.0	0.0	1.6	0.8	1.6	2.4	5.6	11.3	—
	22	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	3.2	4.8	6.4	9.7	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.8	6.4	7.2	8.9	—
	24	2.4	3.2	2.4	1.6	0.8	0.8	1.6	6.4	8.0	9.7	11.3	9.7	—
	25	1.6	0.8	0.8	3.2	0.8	1.6	3.2	4.8	6.4	8.0	9.7	12.1	—
	26	3.2	0.8	1.6	1.6	0.8	0.8	0.0	2.4	5.6	4.0	8.0	4.8	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	7.2	8.9	8.0	—
	28	0.0	5.6	8.0	3.2	3.2	1.6	1.6	1.6	8.0	8.0	9.7	10.5	—
	29	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	8.9	11.3	—
	30	1.6	1.6	0.8	0.0	0.0	0.0	0.0	3.2	12.1	14.5	15.3	16.1	—
	31	0.0	0.0	0.0	0.0	3.2	8.0	8.0	14.5	16.9	16.1	17.7	19.3	—
Hourly Means.		0.77	0.80	0.77	0.49	0.44	0.62	1.45	3.15	5.45	7.17	8.49	9.58	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	9.7	9.7	11.3	12.9	11.3	4.8	4.0	3.2	0.8	0.8	0.0	0.0	4.62
	2	6.4	12.1	8.0	9.7	10.5	8.0	4.8	1.6	3.2	0.8	0.0	0.0	3.78
	3	8.9	8.0	8.0	8.0	8.0	5.6	3.2	1.6	1.6	1.6	1.6	0.8	3.37
	4	6.4	7.2	11.3	8.0	6.4	8.0	2.4	3.2	1.6	0.8	0.8	0.8	3.50
	5	8.9	12.9	12.1	11.3	8.9	4.8	3.2	1.6	2.4	3.2	0.8	1.6	3.99
	6	14.5	16.1	14.5	10.5	9.7	6.4	0.8	0.0	0.0	0.0	0.0	0.0	6.00
	7	14.5	11.3	10.5	9.7	8.0	4.8	0.8	0.0	0.0	0.8	1.6	1.6	4.39
	8	8.0	11.3	12.9	9.7	6.4	3.2	2.4	0.8	0.0	0.0	0.0	0.0	3.89
	9	15.3	15.3	14.5	7.2	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.95
	10	12.1	11.3	6.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.44
	11	8.9	9.7	6.4	5.6	4.8	1.6	0.8	0.0	0.0	0.0	0.8	0.8	2.91
	12	11.3	12.1	9.7	6.4	6.4	8.0	3.2	0.8	0.0	0.0	0.0	0.0	4.05
	13	15.3	16.9	14.5	8.0	4.8	3.2	1.6	0.8	0.8	0.8	0.8	1.6	5.09
	14	10.5	11.3	7.2	9.7	6.4	4.8	4.0	1.6	1.6	1.6	0.8	1.6	4.32
	15	10.5	8.0	8.9	8.0	6.4	1.6	0.8	1.6	0.8	0.0	0.0	0.0	3.65
	16	9.7	8.0	6.4	4.8	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.08
	17	8.0	9.7	10.5	7.2	3.2	0.8	0.8	0.8	2.4	0.8	0.0	0.0	2.91
	18	12.1	4.8	6.4	8.9	7.2	3.2	1.6	2.4	3.2	3.2	0.8	0.0	3.21
	19	7.2	8.0	5.6	2.4	4.0	3.2	2.4	0.8	0.0	0.0	0.8	0.0	2.43
	20	8.0	11.3	11.3	11.3	6.4	3.2	1.6	1.6	0.8	0.0	1.6	1.6	3.35
	21	12.9	10.5	7.2	3.2	3.2	3.2	1.6	0.8	0.8	0.8	0.8	0.0	2.95
	22	13.7	10.5	4.8	7.2	6.4	1.6	2.4	0.8	0.0	0.0	0.8	1.6	3.21
	23	8.0	8.0	10.5	8.0	8.0	6.4	5.6	5.6	4.0	3.2	4.8	4.0	4.51
	24	11.3	7.2	8.0	5.6	1.6	2.4	2.4	1.6	1.6	0.8	1.6	1.6	4.32
	25	8.0	10.5	13.7	8.9	6.4	4.8	2.4	2.4	1.6	0.8	1.6	0.8	4.79
	26	4.0	6.4	8.0	6.4	4.0	1.6	0.8	0.8	0.0	0.0	0.0	0.0	2.73
	27	10.5	11.3	4.8	3.2	3.2	1.6	1.6	0.8	1.6	1.6	2.4	0.8	3.08
	28	8.0	12.1	9.7	4.8	4.8	3.2	1.6	0.8	0.8	0.8	4.8	3.2	4.82
	29	8.0	9.7	11.3	11.3	8.0	3.2	0.8	6.4	0.8	0.8	0.8	1.6	3.62
	30	15.3	16.1	12.1	11.3	8.0	6.4	6.4	6.4	3.2	1.6	0.0	0.0	6.33
	31	16.1	13.7	13.7	9.7	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	6.80
Hourly Means.		10.39	10.68	9.68	7.78	6.00	3.61	2.06	1.57	1.08	0.80	0.90	0.77	3.94

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	2	2	3	3	3	3	4	3	3	2	7	7	—
	2	3	1	6	2	8	5	1	2	4	4	3	4	—
	3	4	1	2	1	1	3	9	9	9	7	5	3	—
	4	4	6	6	6	7	5	6	4	7	6	8	9	—
	5	7	7	8	10	9	10	7	7	4	6	5	4	—
	6	10	10	10	10	10	10	10	10	10	10	10	10	—
	7	10	5	10	9	8	9	10	9	9	9	9	5	—
	8	10	10	10	10	10	10	10	10	10	10	9	10	—
	9	10	8	9	10	8	9	9	9	8	8	9	9	—
	10	3	4	4	5	4	3	6	4	5	4	6	7	—
	11	4	3	2	7	10	9	10	10	10	10	10	10	—
	12	9	3	2	2	2	4	5	4	3	5	6	7	—
	13	9	9	10	9	9	9	10	8	8	6	8	8	—
	14	6	6	5	5	6	4	7	7	8	7	8	9	—
	15	9	10	10	10	10	10	10	6	10	10	7	8	—
	16	2	3	9	9	10	10	10	10	10	10	10	10	—
	17	8	10	5	3	5	7	10	9	6	6	9	9	—
	18	2	2	1	1	2	2	2	3	9	3	9	7	—
	19	6	7	5	7	7	6	6	7	8	7	9	9	—
	20	2	2	2	3	3	5	4	3	1	1	0	9	—
	21	9	3	2	1	1	2	4	4	3	7	6	6	—
	22	9	10	8	5	1	2	3	1	2	3	4	4	—
	23	2	1	2	2	2	1	3	4	8	7	5	9	—
	24	5	4	4	6	5	6	8	8	6	9	10	9	—
	25	10	9	9	10	8	9	10	8	7	6	10	10	—
	26	10	9	10	10	8	10	10	10	10	10	10	10	—
	27	7	10	10	6	3	5	7	7	6	7	7	7	—
	28	9	10	10	10	10	10	10	9	3	8	7	8	—
	29	10	5	5	6	10	10	10	8	8	9	9	9	—
	30	10	10	10	10	10	10	10	10	10	10	10	10	—
	31	10	7	4	7	10	10	10	10	10	10	10	10	—
Hourly Means.		6.8	6.0	6.2	6.3	6.5	6.7	7.5	6.9	6.9	7.0	7.6	7.9	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	7	7	9	9	10	8	8	6	6	5	4	4	5.2
	2	5	5	5	4	3	4	8	8	7	6	10	10	4.9
	3	4	6	5	6	6	7	4	5	5	6	4	3	4.8
	4	9	9	10	10	10	10	10	10	10	9	9	7	7.8
	5	6	7	4	6	6	6	5	6	8	9	10	10	7.0
	6	10	10	10	10	10	10	9	10	9	9	7	9	9.7
	7	5	6	5	7	10	10	8	9	8	7	6	7	7.9
	8	9	9	8	7	6	7	7	7	9	5	4	10	8.6
	9	6	5	6	9	10	10	10	10	9	9	9	4	8.5
	10	8	8	10	10	9	9	8	9	4	4	3	6	6.0
	11	10	9	9	9	8	9	9	4	2	3	7	8	7.6
	12	10	10	10	10	10	10	7	9	5	6	8	9	6.5
	13	8	7	7	6	5	8	6	9	7	8	4	4	7.6
	14	9	9	6	2	3	6	6	5	2	4	6	10	6.1
	15	7	9	9	9	9	9	10	10	10	9	6	3	8.8
	16	10	10	10	10	10	10	8	9	5	5	4	6	8.3
	17	10	8	8	10	10	8	5	3	6	7	6	4	7.2
	18	10	10	10	9	9	9	10	10	9	9	10	9	6.5
	19	9	10	10	10	10	10	10	6	3	2	1	1	6.9
	20	6	6	4	7	7	10	10	10	10	10	10	10	5.6
	21	6	7	10	10	10	10	9	10	10	9	8	9	6.5
	22	4	6	10	6	9	8	10	6	3	3	2	2	5.0
	23	10	9	10	10	10	10	7	8	9	10	9	9	6.5
	24	10	10	10	9	10	10	9	9	7	8	8	8	7.8
	25	6	8	7	6	7	8	8	5	4	8	4	4	7.5
	26	10	10	10	10	7	6	3	7	7	5	6	6	8.5
	27	7	4	9	10	10	10	10	10	10	10	10	10	8.0
	28	10	8	9	10	10	10	9	9	7	6	10	10	8.8
	29	9	6	6	7	7	8	10	10	9	10	10	10	8.4
	30	9	9	10	10	10	9	9	8	4	9	9	10	9.4
	31	10	10	10	10	10	10	10	10	10	10	10	9	9.5
Hourly Means.		8.0	8.0	8.3	8.3	8.4	8.7	8.1	8.0	6.9	7.1	6.9	7.1	7.34

DURATION OF SUNSHINE.

JANUARY.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	10	10	10	10	10	4	4	6	5	3	5	6	7	3	5	6	6.5
2	10	10	10	10	10	10	10	9	6	6	6	7	8	3	2	6	7.7
3	2	6	9	10	10	8	8	9	10	7	8	6	8	9	8	6	7.8
4	9	9	3	9	9	7	9	9	8	2	5	3	1	2	2	2	5.6
5	0	8	10	9	8	10	10	10	6	6	8	7	9	9	7	6	7.7
6	0	2	1	0	0	1	1	3	2	0	0	3	5	0	2	0	1.3
7	1	2	8	8	7	4	7	8	9	10	7	8	7	9	9	9	7.1
8	0	0	0	3	1	1	3	2	3	5	7	10	10	10	10	7	4.5
9	1	3	2	5	5	5	6	9	8	10	9	9	9	9	0	0	5.6
10	7	9	9	9	9	8	8	9	7	8	9	0	0	0	0	0	5.8
11	3	5	5	2	2	0	0	0	0	1	1	0	0	0	0	0	1.2
12	10	10	10	10	10	9	8	9	6	3	4	3	3	3	2	1	6.3
13	9	8	7	9	9	8	7	8	9	10	10	10	10	10	10	4	8.6
14	4	5	8	7	8	8	3	1	0	1	3	0	0	2	7	8	4.1
15	2	1	1	1	4	7	7	8	9	7	7	2	3	8	4	2	4.6
16	3	3	0	0	1	3	3	1	3	0	0	0	0	0	0	0	1.1
17	0	6	9	9	8	7	1	6	5	0	1	7	9	6	5	0	4.9
18	2	0	7	6	9	7	2	3	6	0	0	0	0	2	5	8	3.6
19	5	4	4	8	6	3	3	6	5	4	0	0	0	0	0	0	3.0
20	10	10	10	10	10	10	10	7	6	7	5	10	10	7	7	7	8.5
21	9	10	6	4	4	3	8	9	10	10	9	7	1	1	0	0	5.7
22	10	8	9	9	10	10	10	6	6	9	8	6	0	0	0	0	6.3
23	10	9	6	8	9	10	8	9	6	4	4	2	3	0	1	0	5.6
24	4	5	9	6	1	4	1	0	0	1	0	0	0	0	0	0	1.9
25	0	3	9	9	8	4	6	4	6	9	7	6	9	7	8	2	6.1
26	7	5	1	3	0	0	0	0	0	0	0	0	0	0	0	0	1.0
27	10	10	9	9	9	9	7	8	4	6	7	7	10	1	1	0	6.7
28	2	9	10	6	5	6	6	7	6	1	0	7	9	3	0	0	4.8
29	3	1	6	3	5	7	7	8	8	6	1	9	6	6	9	9	5.9
30	4	2	6	5	8	2	0	4	5	2	6	3	2	0	1	0	3.1
31	0	0	0	0	0	4	2	8	5	1	0	0	1	5	5	0	1.9
Means.	4.7	5.6	6.3	6.4	6.3	5.8	5.3	6.0	5.5	4.5	4.4	4.5	4.5	3.7	3.5	2.7	4.98

BLACK BULB THERMOMETER IN VACUÒ.

CENTESIMAL DEGREES.

JANUARY.

Mean Batavia Time.	$7^{h}30$ A. M.	8	$8^{h}30$	9	$9^{h}30$	10	$10^{h}30$	11	$11^{h}30$	12	$0^{h}30$ P. M.	1	$1^{h}30$	2	$2^{h}30$	3	$3^{h}30$	4	$4^{h}30$
1	34.2	42.9	45.8	48.6	51.0	52.1	52.9	49.4	41.2	46.2	50.5	48.9	51.0	44.9	46.4	40.9	45.4	38.4	38.4
2	40.6	44.9	49.0	46.4	49.1	51.9	52.6	52.9	53.5	52.2	47.4	48.9	51.2	55.0	51.0	38.1	38.6	37.9	34.7
3	37.8	37.8	37.4	44.6	45.6	52.6	49.9	51.4	52.0	52.9	55.2	56.0	56.1	52.9	42.1	51.8	47.9	37.9	35.9
4	33.6	46.4	43.9	43.9	41.2	52.3	53.5	49.7	55.5	52.9	52.1	46.7	50.2	45.4	52.1	39.3	39.9	36.6	35.8
5	31.8	32.9	34.4	52.4	52.8	46.4	50.8	51.4	51.1	54.9	50.2	52.2	51.7	52.4	49.8	44.9	41.4	37.4	33.9
6	27.9	32.8	35.2	42.9	37.2	38.0	33.5	39.5	41.3	43.4	45.2	40.4	39.7	44.4	44.9	39.9	38.4	34.4	33.5
7	35.2	37.6	37.5	44.3	46.9	47.1	46.5	45.4	45.7	49.9	52.4	52.2	47.4	49.5	47.9	44.4	46.5	38.6	35.1
8	24.0	25.9	27.2	31.8	35.7	44.4	42.9	48.8	43.4	41.2	41.2	44.5	46.0	50.5	51.6	48.9	48.5	35.4	32.6
9	28.4	34.7	37.2	41.2	42.0	45.6	46.9	46.4	50.9	46.9	51.4	52.4	51.6	50.8	43.9	39.7	32.7	28.9	28.4
10	29.2	33.6	39.6	45.3	46.7	48.9	49.6	50.7	46.7	50.6	46.9	49.5	50.2	38.4	35.9	—	—	26.9	28.2
11	29.1	30.9	34.6	38.9	40.6	38.4	37.4	40.9	39.9	37.6	38.7	38.7	41.6	37.1	34.3	33.8	34.5	32.9	31.9
12	35.0	44.6	47.6	49.9	51.6	49.7	49.9	52.7	50.8	56.9	53.9	44.3	42.9	42.6	41.5	40.2	40.6	35.4	33.9
13	27.4	36.2	43.5	43.2	46.1	50.2	53.0	52.9	48.4	51.5	54.6	53.2	52.4	49.9	49.1	47.9	47.2	37.0	32.0
14	33.1	36.2	38.0	47.2	52.9	51.9	52.6	49.2	47.9	42.9	42.9	38.7	39.7	31.1	—	36.0	46.3	35.6	32.2
15	31.9	37.9	37.6	38.9	39.6	40.9	45.6	48.4	48.7	53.9	57.7	47.2	50.3	36.4	—	47.4	40.2	35.4	32.8
16	26.9	32.1	41.1	41.1	34.7	37.4	41.6	41.4	46.3	39.7	43.7	39.9	38.2	34.4	37.4	35.4	36.4	32.4	30.0
17	28.1	32.6	34.7	49.5	49.6	51.9	46.8	43.0	38.4	53.7	41.2	38.2	38.9	48.9	52.8	45.9	42.8	31.4	29.6
18	34.0	34.6	38.3	38.3	47.0	48.7	50.1	47.1	39.0	55.7	47.8	34.1	29.2	32.4	34.6	40.0	41.9	39.0	35.6
19	29.9	39.2	38.9	40.6	42.4	49.8	45.4	39.9	47.7	44.6	55.5	39.9	33.0	—	—	26.0	25.6	26.5	27.2
20	32.2	40.4	42.3	45.9	48.5	50.3	50.6	50.4	51.4	50.4	46.9	53.6	42.2	53.0	52.3	46.2	42.6	39.4	34.4
21	31.8	35.4	44.4	49.9	38.8	38.7	52.1	50.3	47.7	52.4	54.1	54.4	51.3	45.4	41.3	36.4	32.4	29.8	29.8
22	35.5	44.0	46.0	48.4	47.2	51.0	52.1	51.9	55.1	53.6	47.9	53.9	53.5	51.4	—	29.4	29.9	31.5	32.4
23	33.3	43.7	46.3	44.4	46.1	48.5	49.0	53.3	46.6	53.1	49.7	50.4	49.1	45.2	47.9	39.0	37.2	—	33.6
24	29.1	38.7	42.9	49.3	53.9	42.1	40.3	—	45.2	39.9	39.3	—	—	31.6	35.6	36.7	34.0	32.9	31.6
25	30.2	34.4	36.8	46.3	51.0	49.4	43.5	48.5	47.6	44.9	41.5	52.9	52.1	48.5	50.4	43.6	45.9	41.1	34.0
26	26.1	33.6	37.4	40.1	40.3	34.6	36.4	—	—	28.6	—	29.4	32.3	32.9	32.4	33.4	33.4	33.8	29.9
27	31.1	39.4	43.1	45.4	47.3	48.3	50.6	53.4	43.1	49.6	46.0	46.4	50.5	47.3	50.4	35.6	34.7	30.9	32.4
28	24.8	29.1	33.4	44.9	48.2	44.3	45.1	46.7	41.4	47.4	48.4	35.4	34.7	51.0	52.4	42.2	34.6	33.9	33.4
29	24.2	33.4	32.3	36.9	43.9	42.9	46.1	45.5	47.3	46.0	47.2	42.8	40.2	52.8	46.7	46.4	45.0	39.6	34.3
30	29.3	31.4	37.7	40.6	42.6	44.4	49.0	37.0	38.0	37.8	44.7	40.9	44.5	43.4	41.9	—	35.0	32.9	30.0
31	27.8	33.8	35.0	33.1	34.4	31.9	33.4	47.0	43.1	50.2	40.5	40.5	40.9	39.9	38.4	42.0	40.3	35.4	32.9
Means.	30.76	36.49	39.33	43.68	45.00	45.95	46.76	47.76	46.50	47.79	47.82	45.55	45.09	44.65	44.63	40.39	39.33	34.64	32.59

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	8.2	7.2	7.2	7.7	6.2	7.7	7.7	6.2	5.8	2.9	3.4	2.4	—
	2	7.2	8.2	8.6	9.6	8.2	12.0	12.0	11.0	4.8	4.3	4.3	2.9	—
	3	15.4	11.0	13.0	11.0	11.0	13.0	14.4	8,2	5.8	5.3	3.8	1.0	—
	4	6.7	5.8	8.2	7.7	5.8	4.8	7.7	7.2	7.7	5.8	3.8	2.9	—
	5	3.8	3.4	4.3	6.2	4.8	3.4	6.7	7.7	7.2	4.3	2.4	2.4	—
	6	3.8	3.4	3.8	2.4	1.9	1.4	1.4	2.9	4.3	2.4	0.0	— 2.9	—
	7	5.3	4.3	3.8	3.4	2.9	3.4	6.7	10.6	6.7	4.3	3.4	— 1.0	—
	8	3.4	2.9	4.8	3.4	3.8	4 3	2.4	1.4	4.3	6.7	3.8	4.3	—
	9	3.8	2.4	1.9	1.4	1.4	1.9	1.9	1.9	4.3	5.3	4.8	1.0	—
	10	22.1	19.2	13.4	18.2	19.7	10.6	28.8	14.4	13.0	6.7	4.8	5.3	—
	11	8.2	14.4	24.0	19.2	13.9	8.6	13.0	2.9	9.1	4.3	3.4	2.9	—
	12	8.2	9.1	7.7	6.7	11.5	9.6	18.7	7.7	3.8	2.4	1.9	1.0	—
	13	11.5	9.6	9.1	12.5	9.1	4.8	8.2	9.6	5.8	3 4	2.9	0.0	—
	14	5.3	3.8	4.8	3.4	2.9	4.3	22.1	12.5	6.2	2.4	2.4	3.8	—
	15	8.2	6.2	5.8	6.7	6.7	7.2	10.6	11.0	6.7	4.8	3.4	3.8	—
	16	18.2	13.4	16.8	6.2	8.2	8.6	13.4	13.0	12.0	10.1	6.2	3.4	—
	17	13.9	15.4	7.2	7.2	6.7	9.6	13.4	14.9	6.7	0.5	4.3	3.4	—
	18	12.0	12.0	10.6	4.8	6.7	9.6	8.6	7.2	4 3	0.5	1.4	1.0	—
	19	3.4	4.3	4.8	3.4	3.8	4.3	10.6	14.4	5.8	2.4	4.3	8.6	—
	20	7.2	13.0	13.4	13.9	13.4	14.4	23.5	11.5	3.8	3.4	3.4	3 8	—
	21	12.5	13.0	13.0	18.2	15.8	17.8	17.8	9.1	5.3	0.5	0.0	1.0	—
	22	8.2	7.2	7.7	6.7	6.7	7.2	17.8	5.8	4.3	2.4	2.4	1.4	—
	23	11.5	10.1	11.0	10.6	8.6	8.6	11.5	7.2	4.8	2.9	1.9	1.9	—
	24	6.2	6.7	6.7	6.7	7.2	7.7	10.6	5.8	3.8	3.8	2.4	5.3	—
	25	5.8	7.2	12.0	4.8	5.8	5.8	7.7	6.2	5.3	4.8	4.3	2.9	—
	26	3.8	6.2	9.1	— 13.0	6.2	8.6	13.9	9.6	5.3	P	N	— 12.0	—
	27	16.3	12.5	N	3.4	8.2	12.5	25.4	13.9	6.7	4.3	3.4	1.9	—
	28	1.4	P N	P N	P N	1.4	7.2	8.2	12.5	7.7	4.8	3.8	10 6	—
	29	5.8	8.6	10.6	13.0	9.6	8.6	13.4	14.4	2.4	2.9	4.3	6.2	—
	30	16.3	11.0	11.5	N	9.6	17.8	19.7	9.1	6.2	5.3	3.4	2.9	—
	31	26.4	16.8	13.9	7.7	11.5	5.8	0 5	6.7	17.3	2.9	1.0	— 3.4	—
Hourly Means.		9.4	8.9	9.3	7.3	7.7	8.1	12.2	8.9	6.4	3.9	3.2	2.2	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	1.4	0.0	0.5	— 0.5	— 6.2	— 13.9	3.4	3.4	3.4	3.8	6.2	8.2	3.4
	2	1.9	— 7.2	— 2,4	0.0	— 0.5	1.9	5.8	8.2	7.2	8.2	8.6	14.9	5.8
	3	1.9	1.4	2.4	1.0	— 1.0	2.9	8.6	8.6	7.2	7.2	6.2	5.8	6.9
	4	1.9	1.9	1.4	— 3.8	1.0	2.4	6.7	11.0	8.2	8.6	6.2	6.7	5.3
	5	0.5	0.0	— 1.4	— 1.9	1.4	2.4	6.7	4.8	3.4	3.8	5.8	4.8	3.6
	6	— 1.0	— 4.8	— 3.4	3.4	4.8	5.8	10.1	13.9	9.1	8.2	5.8	5.3	3.4
	7	— 2.4	1.9	3.4	3.8	6.2	7.7	13.0	6.7	3.8	4.3	4 3	4.3	4.6
	8	3.8	1.9	2.4	3.8	9.6	5.3	3.4	5.3	6.7	4.8	4.3	3.8	4.2
	9	— 1.9	— 0.5	P N	P N	P N	P N	P N	P N	18.2	33.1	9.6	14.9	5.9
	10	4.8	20.2	P	P	3.8	11.0	14.9	26.4	9.6	5.8	13.9	9.6	13.5
	11	2.4	2.4	3.8	4.3	2.9	5.8	5.8	12.5	14.9	18.2	14.9	9.1	9.2
	12	2.4	6.2	N	1.0	3 4	5.3	7.2	7.2	8.2	12.0	14.4	20.6	7.7
	13	— 2.4	1.0	9.1	2.4	4.8	5.3	8.2	10 6	10.6	9.6	8.2	8.6	6.8
	14	2.4	— 4.8	8.2	2.9	4.8	8.6	18.2	25.4	12 0	8.2	11.0	11.5	7.6
	15	2.4	2.4	N	16.8	3.8	6.7	10.1	8 2	12.5	12.5	17.8	17.8	8.4
	16	9.6	— 0.5	3.8	3.4	4.8	6.7	13.0	15.4	15.8	16.3	11.0	12.0	10.0
	17	3.4	2.9	5.8	N	30.7	13.0	11.5	13.4	6.7	8.6	9.1	7.7	9.4
	18	14.4	13.0	13.4	9.6	5.8	— 1.0	13.9	8.6	3.8	3.8	2.9	4.3	7.1
	19	P N	P N	P N	P N	18.7	13.9	9.6	10.6	9.6	7.2	6.2	7.2	7.7
	20	2.4	4.3	1.4	— 1.0	— 2.9	2.4	3.4	21.1	13.9	5.8	14.4	9.1	8.3
	21	N	3.4	— 9.6	P	P	— 6.7	10.6	12.0	9.1	8.6	8.2	9.6	8.1
	22	0.0	P N	P N	2.4	8.6	14.4	13.9	11.5	15.4	9.1	12.5	8.2	7.9
	23	2.4	1.9	1.4	— 6.7	2.9	4.3	5.8	6.2	6.2	6.2	5.8	5.3	5.5
	24	16.8	1.9	5.3	3.4	4.3	4.8	4.8	4.3	5.3	8.2	7.7	6.2	6.1
	25	2.9	3.4	2.4	3.4	5.8	5.3	9.1	10.6	11.0	9.6	9.1	9.1	6 4
	26	1.4	2.9	2.9	3.4	4.8	6.2	9.1	11.0	12.0	12.5	15.8	14.9	6.1
	27	1.9	2.4	9.1	3.8	1.0	N	P	27.8	26.4	33.6	32.6	17.3	12.6
	28	— 2.4	4.8	3.8	2.9	6.7	6.2	8.6	9.1	12.5	7.7	7.2	— 3.8	5.8
	29	4.8	4.3	3.8	3.8	6.2	14.4	11.5	— 8.2	31.7	12.5	13.4	13.4	8.8
	30	4.8	1.4	3.8	9.6	— 1.4	6.2	7.2	7.2	10.1	6.2	23.0	P	8.7
	31	— 4.8	0.0	1.9	3.8	18.2	N	11.5	8.2	23.0	30.2	33.6	15.4	10.8
Hourly Means.		2.6	2.3	2.9	2.9	5.3	5.3	9.2	10.7	11.2	10.8	11.3	9.4	7.14

BAROMETRIC PRESSURE.

BAROMETER AT 0°.C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	–
FEBRUARY.	1	10.25	10.01	10.19	9.96	10.27	10.62	11.02	11.83	12.18	12.04	11.88	11.52	–
	2	11.41	11.43	10.70	10.27	10.74	11.19	11.56	12.11	12.06	12.20	12.15	11.16	–
	3	10.82	10.22	9.92	9.99	10.41	10.53	10.87	11.32	11.69	11.77	11.40	10.56	–
	4	9.54	9.09	9.14	8.93	8.97	9.53	10.10	10.63	10.97	10.82	10.69	10.17	–
	5	9.71	9.35	9.06	9.11	9.15	9.66	10.02	10.68	10.84	10.86	10.34	10.10	–
	6	10.20	9.73	9.72	9.57	9.62	9.88	10.55	10.97	11.41	11.20	10.69	10.07	–
	7	9.41	8.97	8.80	8.71	8.72	8.77	9.36	9.99	9.85	9.90	9.52	8.92	–
	8	8.17	7.67	7.57	7.52	8.07	8.32	8.87	9.52	9.55	9.37	9.31	8.99	–
	9	8.98	8.83	8.68	8.70	8.80	9.15	9.55	10.19	10.79	10.21	9.95	9.54	–
	10	9.17	8.57	8.49	8.35	8.76	9.17	9.83	10.14	10.45	10.40	10.05	9.65	–
	11	8.98	8.78	8.68	8.48	8.52	8.82	9.07	9.75	9.97	9.92	9.50	8.93	–
	12	8.87	8.35	8.07	8.06	8.07	8.15	8.72	9.38	9.60	9.08	8.91	8.55	–
	13	9.11	8.94	9.09	8.94	9.15	9.67	10.03	10.51	10.50	10.29	9.70	8.88	–
	14	8.11	7.60	7.23	7.26	7.70	8.09	8.82	8.99	9.19	8.95	8.56	7.82	–
	15	7.36	6.84	6.52	6.46	6.89	7.16	7.53	8.00	8.14	8.10	7.63	6.97	–
	16	6.60	6.21	5.74	5.56	5.54	5.92	6.39	7.07	7.30	7.28	6.92	6.28	–
	17	6.57	6.29	6.18	6.19	6.38	6.85	7.42	7.91	8.18	8.25	8.14	7.68	–
	18	8.23	7.93	7.75	8.05	8.00	8.33	8.70	9.18	9.35	9.16	8.69	7.85	–
	19	9.34	8.78	8.45	8.13	8.01	8.45	8.81	9.29	9.31	9.22	8.75	8.51	–
	20	9.23	8.88	8.62	8.56	8.90	9.11	9.55	9.99	9.94	9.83	9.54	8.91	–
	21	9.14	8.65	8.68	8.70	9.31	9.67	9.94	10.14	10.30	10.04	9.67	9.22	–
	22	9.28	9.10	8.88	8.84	8.94	9.36	9.63	10.00	9.95	9.52	9.15	8.42	–
	23	9.01	8.68	8.34	8.43	8.55	8.84	9.16	9.49	9.68	9.49	9.34	8.32	–
	24	8.91	8.25	8.26	8.57	9.02	9.09	9.49	9.96	10.35	10.00	9.68	8.70	–
	25	9.00	8.75	8.40	8.46	8.77	8.99	9.40	9.94	9.88	9.77	9.55	8.79	–
	26	9.29	9.20	9.05	9.16	9.32	9.32	9.62	9.86	10.15	10.19	9.86	9.15	–
	27	9.55	9.11	9.02	8.99	9.21	9.56	10.12	10.64	10.87	10.49	9.99	9.57	–
	28	9.57	9.07	8.97	9.38	9.88	10.21	10.68	11.30	11.56	11.40	10.85	10.18	–
Hourly Means.		9.06	8.69	8.51	8.48	8.70	9.01	9.46	9.96	10.14	9.99	9.66	9.05	–

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	10.95	10.59	10.02	9.91	10.04	10.32	10.60	11.26	11.79	12.33	12.20	11.80	10.98
	2	10.67	9.93	9.51	10.02	9.84	10.05	10.37	11.00	11.30	11.40	11.40	11.36	10.99
	3	10.05	9.43	8.49	8.16	8.[illegible]8	8.64	9.18	9.74	10.06	10.39	10.16	10.07	10.09
	4	9.49	8.94	8.40	8.02	8.24	8.63	8.91	9.42	9.82	10.45	9.97	9.88	9.53
	5	9.83	9.49	8.88	8.39	8.44	8.68	9.56	10.11	10.40	10.97	11.14	10.76	9.81
	6	9.53	9.53	8.75	8.28	8.13	8.28	9.05	9.36	9.74	10.00	10.07	9.87	9.76
	7	8.42	7.67	6.81	6.65	6.65	6.85	7.49	8.16	8.56	8.45	8.72	8.45	8.49
	8	8.49	8.04	7.71	7.36	7.71	8.29	8.59	9.08	9.22	9.62	9.69	9.41	8.59
	9	8.79	8.38	8.03	8.02	8.05	8.15	8.42	9.05	9.41	9.81	9.72	9.62	9.12
	10	9.29	8.93	8.53	7.88	7.83	7.95	8.48	8.70	9.20	9.49	9.72	9.52	9.11
	11	8.15	7.52	7.04	6.82	7.02	7.33	8.09	8.74	9.19	9.61	9.55	9.26	8.66
	12	7.50	6.62	5.77	5.97	6.75	7.79	8.19	9.06	9.74	9.84	9.79	9.39	8,34
	13	8.15	7.38	6.52	6.48	6.65	6.78	7.42	8.23	8.96	9.04	9.15	8.82	8.68
	14	7.17	6.26	5.76	5.56	5.66	6.73	7.19	7.60	7.85	8.26	8.47	7.93	7.62
	15	6.38	5.70	5.26	4.96	4.93	5.22	5.73	6.39	6.93	7.38	7.34	6.99	6.70
	16	5.64	4.95	4.47	4.30	4.63	5.02	5.72	6.08	6.55	6.65	7.05	6.88	6.03
	17	7.42	6.22	5.70	5.35	5.33	6.12	6.44	7.28	8.12	8.52	8.55	8.29	7.05
	18	7.09	6.45	5.95	5.70	5.49	6.27	7.02	8.16	8.67	9.52	9.70	9.64	7.95
	19	7.62	6.76	6.16	5.83	5.91	6.71	7.38	8.11	8.67	9.29	9.44	9.14	8.17
	20	9.05	8.31	7.88	7.63	7.18	7.45	8.07	8.74	9.44	10.08	10.38	10.14	8.98
	21	8.53	7.51	7.30	7.00	7.42	8.03	8.66	9.13	9.68	10.00	10.20	9.75	9.03
	22	7.75	7.23	6.97	6.75	6.82	7.72	8.18	8.56	9.11	9.32	9.45	9.50	8.68
	23	7.81	7.86	7.79	7.48	7.33	7.89	8.50	8.60	8.96	9.66	9.58	9.14	8.66
	24	7.75	7.10	6.66	6.69	7.89	8.23	8.36	8.76	9.28	9.64	9.75	9.30	8.74
	25	7.98	7.63	8.06	7.73	8.13	8.60	8.85	9.46	10.13	10.43	10.33	9.88	9.04
	26	8.25	7.60	7.35	7.46	8.12	8.55	9.27	9.79	10.04	10.60	10.55	10.05	9.24
	27	8.82	8.75	8.50	8.14	8.72	9.70	10.71	10.75	11.24	10.77	10.75	10.36	9.76
	28	9.32	8.76	8.07	7.45	7.56	8.12	8.72	9.56	9.96	10.49	10.67	10.05	9.66
Hourly Means.		8.41	7.84	7.37	7.14	7.31	7.79	8.33	8.89	9.36	9.71	9.77	9.47	8.84

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	75.6	75.2	73.8	74.0	74.5	74.8	76.0	77.2	79.0	80.3	81.0	81.0	—
	2	75.5	74.2	74.2	74.0	73.9	73.7	73.6	74.4	76.7	77.3	78.6	81.0	—
	3	74.0	73.8	73.8	72.8	72.0	71.8	72.0	73.4	75.3	75.7	75.0	76.0	—
	4	74.2	74.0	72.4	71.5	71.3	71 3	71.7	73.0	73.5	74.0	75.0	77.0	—
	5	74.0	73.8	73.5	73.3	73.0	72.2	73.1	74.9	78.0	80.0	80.2	79.0	—
	6	74.0	72.8	72.8	73.1	73.2	73.2	74.5	75.1	77.9	80.0	82.2	84.2	—
	7	74.5	74.0	73.8	73.8	73.8	74.0	74.4	76.7	78.8	79.6	79.3	78.5	—
	8	74.2	74.5	74.5	74.5	74.2	74.0	74.0	74.0	74.2	75.0	75.9	78.0	—
	9	73.4	73.2	73.2	73.6	74.0	73.6	74.0	75.2	77.3	78.9	81.2	81.5	—
	10	75.1	74 5	74.5	74.1	74.0	74.0	74.6	75.8	75.9	77.8	79.2	78.2	—
	11	73.2	73.2	73.9	73.6	73.4	73.2	73.7	74.5	76.1	76.9	77.6	79.4	—
	12	74.7	74.3	73 5	73.0	72.7	72.1	73.0	75.0	78.5	81.2	83.0	85.0	—
	13	73.9	73.5	73.3	73.1	73.1	72.5	73.0	75.0	78.5	80.2	81.0	83.6	—
	14	76.3	75.3	75.1	74.1	73.5	72.8	73.0	76.0	79.0	82.0	84.0	85.2	—
	15	74.4	74.0	73.4	72.8	72.2	72.2	72.9	76.9	80.0	82.8	84.6	85.8	—
	16	75.0	74.4	73.6	73.2	72.7	72.1	73.0	76.0	80.2	83.0	85.3	87.2	—
	17	76.2	75.4	74.9	74.5	73.8	73.2	73.6	76.3	79.6	82.5	84.3	86.4	—
	18	77.1	76.5	76.1	75.5	74.8	74.4	74.7	76.8	80.5	83.0	85.8	87.0	—
	19	77.2	76.9	76.3	75.1	75.1	74.9	75.7	78.1	81.0	84.0	86.0	88.0	—
	20	77.2	76.0	75.4	75.0	74.0	73.3	73.5	75.8	78.0	82.1	85.0	86.9	—
	21	75.0	74.4	73.8	73.6	73.4	73.2	74.4	77.8	79.9	83.4	85.7	85.6	—
	22	76.7	76.3	75.6	75.4	74.8	74.4	75.0	77.6	81.0	83.6	86.0	88.0	—
	23	77.0	76.7	76.3	75.4	74.5	74.0	75.0	77.0	79.8	82.5	84.0	85.4	—
	24	73.8	73.2	73.2	73.0	72.8	72.6	73.0	74.5	77.0	79.9	82.1	84.0	—
	25	74.2	74.4	74.0	73.4	73.2	73.0	73.7	76.0	78.2	81.0	83.3	85.3	—
	26	75.3	74.6	74.7	74.6	74.2	73.7	74.4	76.0	79.0	80.0	81.2	84 2	—
	27	74 5	74.0	73.2	73.0	72.6	72.2	72.5	75.0	77.3	79.6	82.5	84.1	—
	28	71.9	72.0	72.0	72.0	72.0	72.1	72.7	74.0	76.1	78.8	81.8	82.0	—
Hourly Means.		74.93	74.47	74.10	73.75	73.45	73.16	73.74	75.64	78.08	80.18	81.81	83.13	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	81.0	81.0	81.8	81.4	80.9	80.4	79.4	78.5	77.2	76.3	76.0	75.7	78.00
	2	83.0	83.2	82.2	76.5	75.0	74.5	74.2	74.5	74.8	75.0	74.4	74.5	76.20
	3	77.3	78.8	79.5	79.7	79.7	79.2	77.7	74.4	74 0	73 8	74.0	74.2	75.33
	4	77.9	78 8	78.9	78.7	78.3	77 3	76.3	75.1	74.9	74.3	74.3	74.0	74.90
	5	77.0	78.0	79.2	80.1	78.7	78.5	77.4	76.9	76.4	76.2	75.4	74.6	76.39
	6	79.2	76.4	76.7	77.0	78 0	78 2	77.1	76.3	76.0	76.0	75.6	75.1	76.44
	7	78.5	77.3	80.1	78.2	77.8	78.0	76.9	75.9	75.3	74.9	74.4	73.9	76.35
	8	79.3	79.6	79.6	80.0	80.0	77.5	75 2	74.6	74.0	74.0	73.4	73 4	75.73
	9	82.0	81.0	80.2	74.8	76.0	75.8	75.3	75.1	75.2	75.2	74.9	75.2	76.24
	10	78.6	79.0	79.3	79.1	78.7	78.2	77 6	76.4	75.3	74.7	74.0	73.6	76.34
	11	80.9	82.5	82.0	81.7	80 1	79.3	78.3	77.3	76.5	76.0	75.8	75.4	76.85
	12	87.6	87.0	86.3	83.2	82 2	80 6	79.8	77.1	76.2	75.3	75.3	74.7	78.39
	13	85.5	84.3	85.0	84.5	82.0	81.4	79.7	79.0	78.4	78.3	78.0	77.0	78.49
	14	87.0	88.6	88.0	84.8	86.4	82.0	80.3	79.5	77.7	76.9	76.5	75 3	79.55
	15	86.0	87.0	85.8	84.3	84.5	84.7	82.9	81.1	79.2	77.8	77.0	75.8	79.50
	16	86.2	87.2	86.9	86.4	84.4	83.4	82.7	81.0	79.6	78.5	78.1	77.2	79.89
	17	87.9	87.9	86.8	86 0	85.0	83.8	83.0	82.0	81.4	80.1	79.1	78.2	80.50
	18	88.6	87.5	86.2	85.9	85.2	85.9	84.2	82.6	80.9	79.8	79.0	78.0	81.08
	19	89.5	90.2	90.6	90.0	88.0	85.9	83.7	82.3	80.6	79.4	78.2	77.6	81.85
	20	81.2	81.7	79.8	80.6	83.0	81.7	79.9	78.8	77.9	77.1	76.3	75.7	78.58
	21	86.6	88.2	88.2	88.0	86.0	83.0	81.7	80.6	79.5	78.4	77.8	76.8	80.21
	22	88.4	86.6	86.9	86.2	86.2	84.0	82 6	81.0	80.0	78.8	78.0	77.8	80.87
	23	85.8	78.2	76.4	75.3	75.0	75.0	75.0	74.5	74.6	74 6	74.4	74.2	77.11
	24	84.9	84.4	83.6	82.2	77.9	74.2	74.1	73.6	73.8	74.1	74.2	74.2	76.68
	25	85.0	84.2	76.5	76.0	76.1	75.7	75.7	75.5	75.5	75.5	75.4	75.3	76.92
	26	85.2	86.2	86.4	82.5	79.3	77.2	75.0	75.1	75.1	75.1	75.1	74.6	77.86
	27	85.0	80.8	79.0	82.2	82.0	80.0	74.5	72.9	72.5	72.7	72.3	72.5	76.54
	28	82.7	83.2	82.9	83.1	82.3	81.3	80.0	79.4	79.0	78.2	77.2	76.5	77.63
Hourly Means.		83.49	83.17	82.67	81.73	81.03	79.88	78.58	77.54	76.84	76.32	75.86	75.39	77.87

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	957	957	929	938	947	939	940	924	838	781	761	746	—
	2	940	921	930	947	956	956	946	965	916	925	902	747	—
	3	921	921	930	929	936	936	936	929	864	889	914	906	—
	4	965	965	936	964	954	963	964	946	938	938	897	835	—
	5	878	877	877	877	894	919	929	922	861	796	759	778	—
	6	869	910	910	920	920	929	921	947	836	787	722	674	—
	7	939	956	947	947	947	956	956	891	838	840	878	918	—
	8	938	921	921	921	930	938	956	956	973	974	974	868	—
	9	946	955	955	965	947	956	947	914	867	878	791	749	—
	10	905	930	921	930	930	930	939	915	915	868	839	845	—
	11	946	955	938	973	973	973	965	973	957	940	900	840	—
	12	947	939	938	955	964	955	955	922	823	770	698	659	—
	13	947	956	955	946	946	955	946	930	831	804	756	699	—
	14	915	897	863	903	929	929	946	841	757	688	642	639	—
	15	913	912	911	937	936	936	929	848	666	585	581	687	—
	16	888	904	920	920	937	928	911	841	687	610	552	557	—
	17	865	880	879	879	887	903	887	833	743	696	636	554	—
	18	883	890	899	898	904	913	904	851	768	685	636	628	—
	19	858	874	899	913	913	922	898	853	791	700	618	561	—
	20	804	841	847	871	887	903	894	816	768	701	634	573	—
	21	913	912	911	929	929	929	947	836	809	712	640	590	—
	22	833	857	872	847	871	837	839	789	726	653	575	548	—
	23	866	874	873	889	913	912	905	843	773	723	661	584	—
	24	973	973	964	973	964	973	964	930	867	796	715	694	—
	25	965	965	965	956	965	964	965	906	822	755	685	667	—
	26	957	973	965	973	973	973	965	931	847	818	776	735	—
	27	956	956	965	955	955	955	946	914	828	758	662	675	—
	28	955	946	936	946	946	955	964	956	923	870	771	750	—
Hourly Means.		916	922	920	929	934	937	934	897	830	784	735	704	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	754	775	763	762	783	811	855	893	932	940	948	940	867
	2	710	711	736	906	930	939	947	947	922	922	939	930	900
	3	875	823	802	795	802	832	892	921	947	947	965	965	899
	4	860	822	808	784	761	835	865	914	897	896	878	887	895
	5	842	767	756	766	784	822	852	858	850	849	840	838	841
	6	854	915	916	916	908	908	924	915	915	915	915	922	886
	7	933	932	895	901	925	925	907	940	947	947	947	956	924
	8	833	833	817	811	856	917	905	921	921	921	938	946	912
	9	737	805	834	922	906	915	939	956	939	930	939	905	900
	10	846	847	839	854	885	893	876	882	914	922	938	903	894
	11	733	738	758	763	811	863	885	916	932	940	940	948	898
	12	648	691	735	717	778	826	870	874	898	914	905	913	846
	13	712	722	703	722	792	820	848	870	918	893	884	916	853
	14	592	563	601	709	624	700	788	802	828	882	873	880	783
	15	598	562	604	636	689	631	670	718	771	813	834	880	760
	16	588	580	567	594	668	691	716	732	786	799	845	851	753
	17	581	600	619	636	651	740	752	771	783	825	839	837	762
	18	552	661	662	700	759	641	715	723	733	802	800	844	769
	19	545	498	489	502	513	609	653	721	781	809	814	805	731
	20	761	777	863	788	710	741	817	853	875	891	899	905	809
	21	626	572	572	583	604	642	670	695	749	791	820	842	759
	22	561	632	645	662	662	694	716	769	803	838	852	852	747
	23	681	876	906	922	930	930	947	965	965	965	965	956	868
	24	677	729	734	772	820	930	930	946	956	956	956	956	881
	25	684	708	906	931	931	940	957	957	966	966	974	966	894
	26	698	643	644	701	793	875	913	922	939	947	947	965	870
	27	684	696	862	743	750	824	878	910	928	928	946	946	859
	28	738	740	732	739	751	783	825	832	854	901	907	924	860
Hourly Means.		711	722	742	758	778	810	840	862	880	895	902	906	844

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	C	N N W	N	C	C	N	N N W	N N W	N W	N W	N N W	N W
	2	C	N N W	N N W	N N W	N N W	N W	N W	C	W N W	W N W	N W	N N W
	3	W N W	W N W	W N W	W N W	W	W	W	W	W	W	W S W	S W
	4	C	N W	S W	S W	S W	S W	S W	W	W	W	W	W N W
	5	W	W	S W	S W	C	C	C	S W	W N W	N W	N W	W S W
	6	C	C	W S W	W S W	C	W S W	W S W	W S W	W	W N W	W N W	N N W
	7	N W	C	N W	N W	N W	W N W	W N W	W N W	W	W	W N W	W N W
	8	N W	N W	W	W	N W	N W	N N W	N N W	N N W	N N W	N N W	N W
	9	C	C	C	C	C	S W	C	S W	W	N W	N N W	N N W
	10	S W	W	W	W	C	W	W	W S W	W	W N W	W N W	W N W
	11	C	W N W	N W	N W	C	C	C	C	N W	N W	W N W	N N W
	12	C	N W	C	C	C	C	N W	W N W	S W	S W	S W	W N W
	13	C	C	S S E	C	C	C	C	S S E	S W	S W	S W	N W
	14	N W	W N W	S S W	S S W	C	C	S S W	S W	W S W	S	S	N W
	15	C	C	C	C	C	C	E S E	S S W	S S W	S W	N W	N N E
	16	C	C	C	C	C	C	W N W	W N W	S	S S E	S S W	E S E
	17	C	C	N N W	C	C	C	N N W	N W	W	W S W	N N W	N W
	18	C	C	C	N N W	N N W	N N W	N N W	W N W	W S W	W	W N W	N N W
	19	C	W N W	W N W	W N W	C	C	W	W	W S W	W S W	W N W	W N W
	20	C	W	W	C	C	W	W	W	W S W	W	W S W	N W
	21	W S W	W S W	W S W	C	C	C	C	W S W	S W	W	W	W
	22	W	W	W	W	W	W	W	W	W	S W	S W	W N W
	23	C	C	C	C	W	W	W	W	W	S W	W N W	N N E
	24	C	C	C	C	C	C	C	S W	S W	W	N W	N W
	25	C	C	C	C	C	C	C	C	N W	W	N W	N W
	26	C	W S W	C	W S W	C	W S W	W S W	S W	S W	W S W	N W	W N W
	27	C	C	S	S	C	C	S	S	S	E	E N E	E
	28	S	S	C	C	C	C	C	S	S	S	E	N N E

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	N W	N N W	N	N	N N W	N	C	C	N	N N W	C	C
	2	N N W	N N W	N W	W	S S W	S S W	S S W	S S W	W	W	W	W N W
	3	W	N W	N W	W N W	W	W	W	N W	N W	N W	N W	C
	4	W	W	W	W	W N W	W N W	C	W N W	W	W	W	C
	5	W S W	W S W	S W	W	W N W	W N W	W N W	C	C	W N W	W S W	W S W
	6	N W	W N W	W N W	W N W	W N W	N W	N W	N W	N W	N W	N W	N W
	7	W	S W	W	S W	C	N W	C	C	C	C	C	C
	8	N W	N N W	N W	N W	N W	S W	S W	S W	C	C	C	C
	9	N	N	S W	S W	S W	C	C	C	S W	C	C	S W
	10	N W	N W	N W	N W	W N W	W N W	C	C	C	C	C	C
	11	N N W	N N W	N	N N W	N W	C	C	C	C	C	C	C
	12	N W	N	N W	S	S	S	S	S S E	S S E	S S E	S S E	S S E
	13	N	N E	N N E	N N W	N W	N W	C	C	N W	N W	N W	N W
	14	N	W	N N W	N	W	S E	E	E	E S E	E S E	E S E	E S E
	15	N N W	N N W	N	N	N	N W	W N W	W N W	C	C	C	C
	16	N E	N E	N	N	N	N	N	N N W	C	N N W	N N W	C
	17	N W	N N E	N	N	N	N	N	N N W	N N W	N N W	C	N N W
	18	N W	N	N	N	N N E	W N W	W N W	W N W	W N W	W N W	W N W	W N W
	19	N W	W N W	W N W	W N W	W N W	W	W	W	W	W	W	W
	20	W N W	W	W	W	W	W S W	W S W	C	C	C	C	C
	21	W N W	W	W	W N W	W S W	W	W	W	W	W	W	W
	22	W N W	W N W	W	W N W	W N W	W	W N W	W N W	W	W	W	C
	23	N	W	W N W	S W	C	C	C	S W	C	C	C	C
	24	N W	N	N	N N W	S W	N W	N W	N W	N W	C	C	C
	25	N N E	N	W S W	W S W	W S W	C	W S W	C	C	C	C	C
	26	W N W	W N W	W	S S W	S	S	S	S	S	C	C	C
	27	E	N E	N N E	N E	N N E	N E	S	S	S	S	S	S
	28	N E	N N E	N	N E	N E	N	N	N	N	C	N	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	0.0	2.4	0.8	0.0	0.0	0.8	0.8	0.8	10.5	14.5	15.3	12.9	
	2	0.0	4.0	0.8	0.8	0.8	0.8	0.8	0.0	3.2	2.4	6.4	11.3	—
	3	1.6	1.6	3.2	3.2	1.6	0.8	0.8	2.4	5.6	4.0	4.8	3.2	—
	4	0.0	0.8	7.2	4.8	1.6	1.6	3.2	3.2	2.4	4.8	6.4	4.8	—
	5	1.6	2.4	3.2	0.8	0.0	0.0	0.0	1.6	8.0	12.1	10.5	6.4	—
	6	0.0	0.0	0.8	1.6	0.0	1.6	1.6	2.4	5.6	8.0	12.9	11.3	—
	7	0.8	0.0	0.8	1.6	1.6	1.6	1.6	2.4	4.0	4.8	3.2	0.8	—
	8	0.8	1.6	1.6	1.6	1.6	0.8	1.6	1.6	0.8	1.6	2.4	9.7	—
	9	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	2.4	6.4	9.7	14.5	—
	10	1.6	0.8	0.8	0.8	0.0	1.6	1.6	3.2	3.2	6.4	6.4	4.8	—
	11	0.0	1.6	3.2	1.6	0.0	0.0	0.0	0.0	0.8	0.8	4.0	6.4	—
	12	0.0	0.8	0.0	0.0	0.0	0.0	1.6	2.4	3.2	3.2	3.2	4.8	—
	13	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.6	2.4	1.6	2.4	4.8	—
	14	1.6	3.2	2.4	0.8	0.0	0.0	0.8	4.8	4.8	7.2	5.6	6.4	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.8	6.4	10.5	5.6	5.6	8.9	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.8	4.8	5.6	6.4	—
	17	0.0	0.0	1.6	0.0	0.0	0.0	0.8	3.2	4.0	4.0	6.4	5.6	—
	18	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.4	3.2	4.0	4.8	6.4	—
	19	0.0	0.8	0.8	1.6	0.0	0.0	1.6	3.2	6.4	8.0	8.9	12.9	—
	20	0.0	0.8	0.8	0.0	0.0	0.8	1.6	1.6	2.4	5.6	8.0	12.9	—
	21	1.6	1.6	0.8	0.0	0.0	0.0	0.0	3.2	4.8	6.4	8.9	9.7	—
	22	0.8	0.8	0.8	1.6	0.8	1.6	1.6	3.2	7.2	6.4	5.6	7.2	—
	23	0.0	0.0	0.0	0.0	0.8	1.6	0.8	2.4	4.8	4.8	4.8	8.0	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	5.6	7.2	6.4	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	7.2	6.4	—
	26	0.0	0.8	0.0	0.8	0.0	0.8	0.8	1.6	4.0	3.2	6.4	10.5	—
	27	0.0	0.0	0.8	0.8	0.0	0.0	0.8	1.6	3.2	3.2	6.4	9.7	—
	28	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.8	4.8	3.2	4.8	6.4	—
Hourly Means.		0.40	0.91	1.11	0.83	0.34	0.57	0.94	2.20	4.32	5.24	6.56	7.84	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	11.3	8.9	8.0	4.8	3.2	0.8	0.0	0.0	1.6	0.8	0.0	0.0	4.09
	2	10.5	8.9	8.0	8.0	1.6	0.8	0.8	1.6	3.2	1.6	1.6	3.2	3.38
	3	4.0	5.6	5.6	4.0	2.4	0.8	1.6	4.8	0.8	0.8	0.8	0.0	2.67
	4	5.6	4.8	4.8	3.2	3.2	0.8	0.0	0.8	0.8	1.6	1.6	0.0	2.83
	5	3.2	2.4	3.2	4.0	3.2	0.8	0.8	0.0	0.0	2.4	1.6	0.8	2.88
	6	5.6	1.6	1.6	1.6	1.6	0.8	0.8	1.6	1.6	1.6	1.6	0.8	2.78
	7	1.6	3.2	2.4	3.2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.43
	8	10.5	8.0	8.0	4.8	1.6	4.8	3.2	1.6	0.0	0.0	0.0	0.0	2.84
	9	12.1	8.0	5.6	3.2	1.6	0.0	0.0	0.0	0.8	0.0	0.0	1.6	2.85
	10	4.8	6.4	4.0	2.4	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.10
	11	8.0	7.2	9.7	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.10
	12	7.2	12.1	12.9	8.0	0.8	0.8	3.2	3.2	1.6	1.6	0.8	0.8	3.01
	13	8.0	9.7	9.7	8.0	2.4	0.8	0.0	0.0	0.8	0.8	3.2	1.6	2.44
	14	6.4	5.6	8.9	9.7	8.0	3.2	1.6	4.8	1.6	1.6	1.6	0.8	3.81
	15	8.9	8.0	12.9	11.3	8.0	3.2	0.8	0.8	0.0	0.0	0.0	0.0	3.82
	16	7.2	10.5	12.1	8.9	9.7	4.8	1.6	0.8	0.0	0.8	0.8	0.0	3.42
	17	8.0	11.3	12.1	10.5	6.4	2.4	1.6	0.8	1.6	0.8	0.0	1.6	3.45
	18	8.0	11.3	12.9	12.1	8.0	7.2	7.2	4.8	3.2	0.8	1.6	0.8	4.28
	19	12.9	13.7	12.9	11.3	9.7	3.2	1.6	1.6	0.8	0.8	1.6	0.8	4.80
	20	8.0	4.0	1.6	3.2	4.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.37
	21	10.5	10.5	9.7	10.5	9.7	8.0	5.6	2.4	1.6	1.6	0.8	0.8	4.53
	22	11.3	11.3	9.7	9.7	9.7	4.8	5.6	4.0	2.4	1.6	0.8	0.0	4.52
	23	15.3	10.5	6.4	3.2	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	2.71
	24	5.6	8.0	9.7	10.5	10.5	3.2	1.6	0.8	0.8	0.0	0.0	0.0	3.11
	25	9.7	11.3	1.6	1.6	0.8	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.88
	26	11.3	10.5	10.5	14.5	4.8	4.8	0.8	1.6	0.8	0.0	0.0	0.0	3.69
	27	9.7	14.5	9.7	13.7	11.3	12.9	4.8	1.6	1.6	0.8	4.0	0.8	4.66
	28	8.0	10.5	8.0	8.0	5.6	3.2	1.6	2.4	1.6	0.0	0.8	0.0	3.00
Hourly Means.		8.33	8.51	7.94	7.15	4.62	2.66	1.66	1.49	0.97	0.71	0.83	0.51	3.19

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	7	10	10	5	4	8	10	10	10	10	10	10	—
	2	9	10	10	10	10	10	10	10	10	8	10	8	—
	3	10	10	10	10	10	10	10	9	9	10	10	10	—
	4	10	10	10	10	10	10	10	10	10	10	10	10	—
	5	10	10	10	10	9	8	10	9	9	10	10	10	—
	6	2	1	5	8	8	5	10	9	9	9	7	9	—
	7	2	2	3	3	10	9	5	2	10	10	10	10	—
	8	10	10	10	10	10	10	10	10	10	10	10	10	—
	9	10	10	10	10	10	10	10	10	10	10	10	9	—
	10	8	9	8	6	7	9	10	10	10	10	10	10	—
	11	2	8	10	10	10	10	10	9	9	9	9	9	—
	12	7	7	6	1	1	1	1	0	1	1	4	5	—
	13	4	4	8	5	6	7	6	3	3	7	7	4	—
	14	2	1	3	4	4	3	7	5	5	4	3	3	—
	15	1	1	1	0	0	0	2	1	0	1	1	3	—
	16	2	1	1	1	0	1	3	2	3	2	2	2	—
	17	3	1	2	1	1	1	3	1	0	0	0	1	—
	18	1	1	1	3	1	1	2	2	2	2	3	3	—
	19	4	4	3	2	2	3	2	0	0	0	0	1	—
	20	3	0	1	0	1	3	10	10	9	2	4	5	—
	21	3	6	5	5	3	8	7	8	9	7	6	6	—
	22	4	2	2	1	1	1	4	1	1	1	2	1	—
	23	10	8	8	7	5	6	6	7	7	8	9	8	—
	24	2	2	3	4	6	10	7	8	6	5	9	8	—
	25	9	7	3	2	1	6	5	2	1	2	4	5	—
	26	5	9	9	8	7	5	3	4	9	9	9	5	—
	27	4	3	3	1	2	2	5	5	4	4	4	7	—
	28	10	10	10	6	6	7	8	9	9	7	8	9	—
Hourly Means.		5.5	5.6	5.9	5.1	5.2	5.9	6.6	5.9	6.3	6.0	6.5	6.5	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	10	10	10	10	10	10	10	10	10	10	10	10	9.3
	2	9	9	10	10	10	10	10	10	10	10	10	10	9.7
	3	10	10	9	9	9	7	8	10	10	9	8	8	9.4
	4	10	9	10	10	10	8	8	6	0	5	3	3	8.4
	5	10	10	10	10	10	7	6	6	8	2	2	3	8.3
	6	10	10	10	10	10	7	6	5	2	5	5	4	6.9
	7	10	10	9	10	10	9	4	6	5	4	5	7	6.9
	8	10	10	10	9	10	10	7	6	5	5	10	10	9.3
	9	7	7	10	10	10	10	10	8	5	6	8	8	9.1
	10	10	10	10	10	10	10	9	5	2	2	1	4	7.9
	11	10	9	7	6	8	8	6	5	3	4	7	7	7.7
	12	4	4	5	9	9	10	9	4	3	4	4	2	4.3
	13	9	4	4	8	7	6	3	5	7	7	2	1	5.3
	14	3	3	7	6	7	10	10	10	9	3	2	2	4.8
	15	4	0	0	6	2	0	2	2	1	2	2	1	1.4
	16	3	2	1	1	1	1	1	1	0	0	0	4	1.5
	17	4	2	2	2	2	2	3	4	5	3	3	3	2.0
	18	4	2	2	2	6	5	1	0	0	1	1	2	2.0
	19	1	1	1	1	5	7	3	2	2	3	4	5	2.3
	20	10	10	10	7	3	2	3	1	2	3	3	3	4.4
	21	6	6	7	7	8	10	9	10	10	7	6	6	6.9
	22	4	6	7	7	6	8	10	10	9	9	10	10	4.9
	23	7	10	10	10	10	10	10	10	9	3	2	1	7.5
	24	8	9	8	8	10	10	10	10	10	10	10	10	7.6
	25	6	7	10	10	10	10	10	10	10	10	9	10	6.6
	26	6	6	8	10	10	10	10	10	10	10	10	10	8.0
	27	6	10	10	4	10	10	10	10	10	10	10	10	6.4
	28	9	8	9	3	7	5	3	5	9	8	7	2	7.3
Hourly Means.		7.1	6.9	7.4	7.3	7.9	7.6	6.8	6.5	5.9	5.5	5.5	5.6	6.29

DURATION OF SUNSHINE.

FEBRUARY.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0	0.4
2	0	4	1	2	6	4	7	4	7	6	6	7	3	3	0	0	3.8
3	0	1	4	0	0	0	0	0	0	0	1	1	0	1	2	2	0.8
4	0	0	0	0	0	1	4	4	2	0	0	4	2	0	0	0	1.1
5	3	4	8	7	6	1	0	3	0	0	0	0	0	0	2	3	2.3
6	0	8	2	6	7	8	8	9	2	0	0	0	0	0	0	0	3.1
7	9	4	0	1	0	0	0	0	0	0	0	0	0	1	1	0	1.0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
9	1	4	1	2	7	7	4	7	6	5	4	0	0	0	0	0	3.0
10	0	0	2	1	3	3	0	0	0	0	0	0	0	0	0	0	0.6
11	0	0	0	0	0	0	0	0	0	1	6	6	2	3	4	3	1.6
12	10	10	10	10	10	6	10	8	9	8	8	8	6	4	6	0	7.7
13	10	10	10	4	2	0	4	6	9	9	1	4	6	4	9	9	6.1
14	10	10	10	10	10	10	10	10	10	10	10	10	10	8	8	9	9.6
15	10	10	10	10	10	10	10	10	8	10	10	8	10	9	2	3	8.8
16	10	10	10	10	10	10	10	10	10	6	8	9	10	9	9	10	9.4
17	10	10	10	10	10	10	10	10	10	9	8	10	10	10	10	10	9.8
18	10	10	10	10	10	10	9	8	8	8	9	7	10	9	9	10	9.2
19	10	10	10	10	8	9	9	9	9	9	9	9	10	10	10	10	9.4
20	2	2	3	10	10	9	9	8	7	3	1	0	0	0	0	0	4.0
21	5	5	6	10	9	9	7	6	5	9	6	9	9	8	8	6	7.3
22	10	10	10	10	10	10	10	10	9	8	4	3	3	5	3	1	7.3
23	9	9	10	10	7	7	8	9	7	6	7	2	0	0	0	0	5.7
24	4	6	7	9	10	9	9	9	9	9	7	7	5	4	1	0	6.6
25	10	10	10	10	10	8	9	10	7	9	10	8	1	0	0	0	7.0
26	10	7	3	0	0	0	8	9	10	9	9	8	8	8	7	4	6.3
27	10	10	10	10	10	10	9	9	9	8	7	2	0	0	3	6	7.1
28	0	0	0	0	3	6	2	2	0	2	1	3	1	3	1	7	1.9
Hourly Means.	5.5	5.9	5.6	5.8	6.0	5.6	5.9	6.1	5.5	5.1	4.7	4.5	3.8	3.6	3.5	3.3	5.03

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

FEBRUARY.

Mean Batavia Time.	7ʰ30 A. M.	8	8ʰ30	9	9ʰ30	10	10ʰ30	11	11ʰ30	12	0ʰ30 P. M.	1	1ʰ30	2	2ʰ30	3	3ʰ30	4	4ʰ30
1	26.6	30.4	30.2	34.4	35.3	37.0	37.9	39.7	36.9	35.9	37.2	38.4	36.1	35.3	39.9	41.0	38.4	36.5	32.6
2	23.8	25.5	30.0	—	—	35.6	43.2	—	49.4	47.9	47.4	47.9	44.5	47.4	39.9	36.4	—	—	—
3	24.8	28.7	30.0	35.9	35.2	29.4	—	—	—	38.9	38.6	37.6	40.3	39.4	37.9	39.3	39.0	34.7	32.6
4	—	—	26.3	—	30.3	29.5	—	—	39.8	43.3	41.7	37.0	36.4	44.4	38.9	33.9	30.9	30.9	31.3
5	26.6	29.5	35.6	48.4	51.7	38.4	41.2	35.9	38.0	34 7	31.2	30.4	32.5	33.4	36.0	36.0	35.4	34.9	—
6	—	27.6	31.6	37.0	40.1	44.6	51.3	51.2	51 7	49.4	—	29.6	—	—	25.9	26.4	26.9	28.0	29.4
7	36.2	40.0	46.6	34.9	40.7	36.3	34.1	—	33.3	28.9	29.6	—	—	—	36.3	41.8	39.2	—	—
8	23.1	—	—	—	24.6	25.4	25.0	27.5	29.9	35.0	38.6	33.9	34.2	35.0	36.0	34.6	34.5	34.4	32.7
9	26.5	30.4	35.4	—	—	42.5	40.4	44.4	41.0	44.5	49.8	46.7	41.0	33.4	32.3	—	—	—	24.6
10	29.3	26.4	27.4	31.7	37.2	39.5	44.1	36.4	33.1	33.5	33.9	32.9	32.0	34.4	34.4	34.9	31.3	29.4	29.4
11	24.3	26.4	28.2	29.4	29.0	29.9	30.7	35.4	38.4	40.8	41.6	43.6	46.1	47.0	42.0	43.4	45.5	42.1	30.9
12	31.6	38.6	43.0	47.7	47.6	47.3	51.6	51.7	55.1	52.2	55.2	53.9	52.6	48.6	44.2	51.4	50.7	30.4	29.4
13	27.8	36.8	43.8	47.8	46.9	39.7	39.1	42.5	45.4	53.9	51.5	49.0	41.3	44.4	44.5	49.9	50.4	41.7	32.8
14	33.3	42.4	44.3	46.9	48.9	50.4	50 2	51.0	52.1	53.3	53.8	53.7	53.7	53.0	52.0	43.9	40.4	37.9	36.0
15	35.2	42.4	44.5	47.5	49.2	50.4	52.0	53.0	53.0	52.0	52 0	53.4	52.4	54.0	53.8	53.8	50.4	42.4	40.1
16	31.4	42.6	44.6	48.4	50.0	50.4	52.0	51.9	53 4	53.9	54.1	48.4	49.0	53.7	53.8	50 0	49.6	45.6	35.9
17	32.9	42.1	45.2	49.7	50.3	51.3	52.4	52.6	53.1	53.9	54.3	49.8	53.4	53.1	52.6	50.6	49.9	42.4	35.9
18	29.7	41.4	46.9	49.3	49.6	52.4	53.2	55.2	54.9	54.2	53.4	55.7	50.4	53.6	53.4	48.9	49.4	44.8	36.4
19	35.5	43.9	45.8	49.9	50.9	53.9	50.3	54.4	54.4	55.4	53.9	54.8	55.9	55 0	54.4	53.8	52.9	47.9	38.0
20	29.7	35.2	35.6	38.4	40.5	51.1	52.4	52.4	54.9	55.4	55.2	33.4	39 8	37.4	—	—	34.3	31.9	37.1
21	37.6	41.5	38.6	41.6	50.3	55.5	53.0	56.8	47.3	49.7	49.2	52.4	56.6	54.5	53.4	47.3	52.4	49.0	41.6
22	35.3	43.9	47.9	49.5	50.4	53.1	52.9	54.7	54.7	54.9	50.9	49.8	48.7	46.8	47.9	48.2	40.6	38.9	39.4
23	29.9	39.3	43.3	46.0	46.9	48 0	47.4	49.9	49.6	52 5	45.4	55.6	51.4	—	—	23.5	—	—	—
24	25.7	31.9	40.5	45.5	46.2	49.4	52.0	49.4	51.2	54.5	51.3	49.9	51.7	47.4	47.3	43.2	34.9	36.3	33.6
25	33.8	43.4	45.6	48.9	49.5	50.4	52.9	52.0	53.3	53.6	49.6	52.9	53.0	48.5	—	—	—	—	—
26	31.8	44.6	46.7	49.2	45.3	39.9	38.7	46.6	55.5	53.4	53.6	53.9	53.8	54.2	54.0	52.4	49.1	41.4	27.5
27	30.0	37.7	40.5	43.5	45.5	46.7	49.4	50.1	51.6	50.6	48.7	52.0	48.2	31.5	28.4	—	39.4	38.4	37.4
28	25.0	28.2	29.6	36.3	37.6	45.4	44.4	47.4	49.2	40.9	42.4	44.0	43.6	47.9	43.1	42.6	44.8	40.1	40.7
Means.	29.90	36.18	38.80	43.24	43.45	43.69	45.84	47.59	47.41	47.40	46.82	45.95	46.10	45 33	45 29	42.80	42.10	38.26	34.14

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	17.8	N	17.8	13.9	7.7	6.7	5.8	4.8	3.8	—	—	—	—
	2	24.0	N	9.6	P	3.4	4.3	10.6	12.0	12.0	3.4	0.0	1.0	—
	3	6.7	8.2	11.5	N	7.7	7.7	10.6	9.6	11.5	1.9	N	10.1	—
	4	9.1	16.3	9.6	1.0	4.8	— 7.2	N	1.0	12.5	14.4	6.2	5.3	—
	5	15.4	8.6	8.6	9 1	11.0	13.0	N	5.3	7.2	6.2	9.1	P	—
	6	13.4	22.6	20.2	12.5	10.6	18.2	12.0	10.6	5.8	5.3	4 3	2.9	—
	7	14.4	18.2	17.3	10.6	9.6	7.2	7.7	8.2	5.8	5.8	14.4	2.9	—
	8	19.2	11.0	18.7	11.0	8.2	1.0	— 6.2	16.8	P N	P N	P N	5.3	—
	9	31.7	34.1	28.8	24.0	15.4	14.4	20.6	17.3	8.2	2.4	0.0	2.9	—
	10	7.7	9.6	9.1	12.0	16.8	20.2	11.5	20.2	1.9	6.2	14.9	10.1	—
	11	30.7	44.6	19.2	4 8	N	— 9.6	25.4	43.2	33 6	13.9	5.8	6.2	—
	12	32.2	25.4	32.2	24.0	28.8	38.4	40.8	9.6	4 3	2.9	3.4	4.3	—
	13	35 5	32.6	24.0	22.6	18.2	23.0	23.0	18.2	6.7	6.2	6.7	3.8	—
	14	19.7	13.4	11.0	13.4	15.4	27.8	43.2	—	—	—	—	6.7	—
	15	24.5	37.9	23.5	28.8	25.4	22.1	29.3	5.8	5.8	6.2	4.8	2.9	—
	16	27.8	19.2	12.5	11.0	8.2	25.4	29.8	12.0	4.8	4.8	4.3	2.9	—
	17	8.2	6.7	7.7	7.2	8.2	8.2	13.4	8.2	6.2	4.8	4.3	3.8	—
	18	9.1	10.1	9.6	8.2	10.6	11.5	14.4	9.1	4.8	5 8	3.8	3.4	—
	19	13.4	12.0	9.1	7.2	9.1	11.5	11.0	7.7	5.8	1.9	— 0.5	— 2.4	—
	20	13.0	16.8	15.4	11.0	7.7	11.0	10.1	11.0	10.1	5.3	2.4	3.8	—
	21	23.5	19.2	21.6	19.7	22.6	17.3	24.5	10.1	7.7	2 4	— 1.4	— 4.8	—
	22	10.6	9.6	8.2	7.2	9.1	6.2	9.1	9.1	7.7	3.8	3.8	3.4	—
	23	13.0	12.5	13.9	14.4	6.2	9.6	15.8	15.8	7.2	5.8	4.8	4.8	—
	24	36.0	40.3	35.5	28.8	30.2	36.5	35.0	28.8	8.2	5.3	5.3	5.8	—
	25	35 5	28.8	30.7	35.0	25 0	43.2	44.2	19.2	10.1	8.2	6.7	8.6	—
	26	25.0	33.6	25.4	25.9	25.4	21.1	—	21.6	9.6	7.7	6.2	6.2	—
	27	22.1	21.1	24.0	21.1	21.1	26.9	36.5	19.7	2.9	5.3	3.4	3.4	—
	28	14.9	13.4	15.4	16.3	20.2	24.0	30.7	17.3	12.5	1.9	— 2.4	4.8	—
Hourly Means.		19.8	20.2	17.5	15.4	14.3	15.7	20.4	13.8	8.3	5.5	4.6	4.2	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	—	3 4	4 8	8.6	12 5	10.6	25.9	P N	P N	6.7	13.9	22.1	11.0
	2	2.9	9.1	P N	P N	P N	P N	16 8	17.8	23.0	16.3	11.5	5.8	10.2
	3	5.3	3.8	4.3	5 8	7.7	10.6	16.8	N	7.2	16.3	N	10.6	8.7
	4	6.2	1.0	6 7	2.9	7.2	10 6	12.5	27.4	17.8	14 4	11.5	11.5	8.8
	5	N	6.7	5.3	6.7	N	11.5	16 3	13.0	16.3	18.2	10.6	11.0	10.5
	6	P N	P N	P N	11.5	7.7	5.8	12.5	14.9	18.7	10.6	9.6	13.9	11.6
	7	6.7	N	5.3	N	N	9 6	11.0	15.4	25.0	21.1	27.4	29.8	13.0
	8	4.3	1.9	5 8	8.2	33.6	20.6	8.6	17.3	21.1	28.3	31.7	40.8	14.6
	9	18.2	43.2	7.2	N	34.1	16.3	19.2	25.0	22.6	17.8	15.8	16.8	19.0
	10	7.2	9.1	11.5	6.7	6.2	9.6	15.8	19.2	24.0	25.4	26.9	28.8	13.8
	11	1.9	6 7	16.3	28.8	11.5	13.0	22.1	P N	— 3.8	13.4	24.0	31.2	17.4
	12	4.8	5.3	8.6	P N	P N	P N	P N	18.7	19.7	20.2	24.5	26.9	18.8
	13	2.9	4.3	0.5	N	P	6.7	8.6	16.8	11.0	20.2	19.7	15.8	14.9
	14	3.8	4.3	4.3	5.8	N	N	P N	22.1	13.9	20 6	19.2	21.1	15.6
	15	3.4	3.4	— 1.9	— 1.0	1.4	11.0	9.1	8.2	16.3	14.4	17.8	21.1	13.3
	16	1.9	1.9	1.9	2.9	3.8	3.4	5.8	9 6	8.6	13.4	9.6	8.6	9.8
	17	1.4	2.9	1.0	4.8	0.5	2.4	9.1	12.5	8.2	10.6	13.4	10.6	6.8
	18	3.8	2.9	1.4	2.9	3 4	4.8	7.7	9.6	10.6	11.5	14.9	14.4	7.8
	18	— 6.2	— 14.4	— 7.7	— 13.0	— 2.9	2.9	5.8	9.6	9.1	13 4	12.0	13.4	4.5
	20	P N	P N	P N	7.2	4.8	6.7	11.5	15.8	24.0	36.0	43.2	25.9	13.9
	21	— 1.0	2.9	— 2.4	2.9	— 3 4	4.3	6.2	10.6	13.0	9.6	11.0	13.0	9.5
	22	— 0 5	1.9	1.0	0.5	— 19.2	P	— 5.8	8.2	8.6	7.7	10.6	12.0	4.9
	23	15.8	P N	P N	P N	P N	P	41 3	38.4	39.8	33.6	37.0	43.7	19.7
	24	4.8	5.3	6 2	P N	P N	P N	P N	P N	P N	13.9	20.2	24.5	20.6
	25	9.1	21.6	P N	P N	P N	P N	P N	13.4	21.1	27.4	33.6	32.6	23.9
	26	6.2	6.7	14.4	P N	P N	P N	P N	— 7.2	23.5	25 9	19.2	24.5	16.9
	27	4.8	P N	P N	P N	P N	P N	P N	P N	14.9	12.5	13.9	13.0	15.7
	28	3.4	3.8	4.8	4.3	7.7	9.6	13.4	13.0	16.8	21.6	23.5	21.6	13.0
Hourly Means.		4.6	6.0	4.5	5.4	6.9	8.9	13.2	15.2	16.6	17.9	19.5	20.2	12.44

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	9.85	9.46	9.19	9.52	9.65	9.87	10.22	10.67	10.39	10.35	10.08	9.24	—
	2	9.19	8.59	8.31	8.27	8.34	8.87	9.55	10.07	10.23	10.35	9.88	9.32	—
	3	9.32	8.85	8.44	8.65	8.55	9.11	9.45	9.79	9.94	9.74	9.61	9.10	—
	4	9.58	9.28	9.24	9.24	9.74	9.79	10.26	10.96	11.46	11.28	10.78	10.31	—
	5	10.24	9.93	9.60	9.45	9.63	9.85	10.20	10.19	10.79	10.58	10.08	9.69	—
	6	10.03	9.59	9.26	9.33	9.35	9.67	9.82	10.31	10.66	10.14	9.08	8.69	—
	7	9.25	8.80	8.48	8.54	8.64	8.90	9.19	9.69	9.93	10.06	9.74	9.37	—
	8	8.57	8.12	8.44	8.20	8.36	8.17	8.63	9.60	10.06	9.74	9.29	8.57	—
	9	8.65	8.43	8.09	7.95	7.88	8.15	8.51	9.40	9.61	9.44	9.03	8.15	—
	10	8.88	8.55	8.14	7.95	7.90	7.81	8.89	9.09	9.65	9.20	8.61	8.13	—
	11	8.43	7.62	7.44	7.61	7.90	8.31	8.81	9.46	10.09	9.84	9.60	9.10	—
	12	7.95	7.74	7.51	7.63	7.75	8.14	8.42	8.87	8.95	8.99	8.58	8.07	—
	13	8.05	7.63	7.24	7.35	7.54	7.85	8.25	8.49	8.69	8.57	8.17	7.57	—
	14	7.83	7.28	6.98	7.09	7.34	7.66	8.13	8.25	8.53	8.48	8.08	7.28	—
	15	7.73	6.93	7.24	7.74	7.40	7.86	8.59	8.95	9.54	9.33	8.89	8.52	—
	16	7.73	7.20	6.86	7.34	7.16	7.64	7.87	8.86	9.16	9.24	8.78	8.30	—
	17	8.71	8.01	7.66	7.49	7.50	7.86	8.34	8.91	9.26	9.28	8.63	7.90	—
	18	7.75	7.09	6.75	6.81	6.88	7.09	7.63	8.10	8.28	8.35	7.86	7.16	—
	19	6.84	6.45	6.26	6.19	6.19	6.76	6.89	7.41	7.79	7.64	6.97	6.27	—
	20	6.06	5.58	5.68	5.29	5.49	5.78	6.45	7.08	6.96	6.89	6.64	6.38	—
	21	6.48	6.20	5.91	5.69	5.61	5.79	6.20	7.18	7.18	7.53	6.91	6.43	—
	22	6.36	5.91	5.78	5.55	5.66	5.80	5.89	6.37	6.55	6.43	6.10	5.49	—
	23	6.38	5.89	5.54	5.49	5.70	6.26	6.83	7.51	7.46	6.98	6.52	6.15	—
	24	7.63	6.99	6.63	6.30	6.56	7.08	7.60	7.99	8.15	7.93	7.37	6.63	—
	25	6.59	5.85	5.35	5.51	5.66	5.89	6.46	6.75	6.89	6.94	6.43	5.88	—
	26	5.89	5.63	5.34	5.31	5.36	5.51	5.81	6.35	6.70	6.70	6.13	5.29	—
	27	6.23	5.79	5.80	5.51	5.68	6.09	6.84	7.10	7.85	7.73	7.31	6.88	—
	28	7.21	6.74	6.26	6.54	6.70	6.72	7.32	7.90	7.89	7.43	7.17	6.76	—
	29	7.14	6.60	6.38	6.49	6.60	7.20	7.70	8.36	8.84	8.79	8.19	7.65	—
	30	8.54	8.26	8.37	8.22	8.57	8.44	10.05	10.10	10.14	9.77	9.44	9.78	—
	31	8.75	8.54	8.01	7.97	8.14	8.36	8.51	9.27	9.66	9.78	9.26	8.57	—
Hourly Means.		7.99	7.53	7.30	7.30	7.40	7.69	8.17	8.68	8.94	8.82	8.36	7.83	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	8.28	7.71	7.43	7.15	7.32	8.41	9.43	9.31	9.83	10.09	10.14	9.91	9.31
	2	8.38	7.32	6.92	6.56	6.77	7.43	7.88	8.72	9.35	9.89	10.09	9.59	8.74
	3	8.71	8.01	7.87	7.85	8.30	8.60	9.25	9.40	9.53	9.87	10.30	10.05	9.10
	4	9.42	8.81	8.22	8.13	8.16	8.91	9.34	10.07	10.31	11.31	10.97	10.79	9.85
	5	8.87	8.12	8.13	7.82	7.78	8.68	9.43	10.11	10.39	10.55	10.39	10.60	9.63
	6	8.00	7.45	6.85	6.38	6.92	7.71	8.47	8.77	9.28	9.48	9.76	9.69	8.95
	7	8.54	7.36	6.93	7.28	7.71	8.23	8.73	9.69	10.16	9.54	9.26	8.99	8.88
	8	7.90	7.17	6.58	6.48	6.62	7.07	7.74	8.13	8.53	9.18	8.94	8.58	8.28
	9	7.35	6.85	6.75	6.60	6.62	7.37	7.98	8.78	9.17	9.43	9.71	9.39	8.30
	10	7.35	6.57	6.17	6.08	6.17	6.68	7.37	8.11	8.64	8.71	8.72	8.70	8.00
	11	8.16	7.43	6.70	6.90	7.07	7.33	7.45	7.93	8.59	8.93	8.94	8.43	8.25
	12	7.37	6.56	6.24	5.96	6.15	6.56	7.57	8.02	8.52	8.72	8.79	8.53	7.82
	13	6.71	6.41	5.98	5.63	6.58	7.19	7.73	7.70	8.15	8.63	8.68	8.34	7.63
	14	6.29	5.71	5.25	4.86	5.31	5.78	6.51	7.77	8.35	8.65	8.26	8.10	7.24
	15	7.44	6.67	6.36	6.65	6.63	7.31	7.92	8.54	8.74	8.99	8.72	8.43	7.96
	16	8.36	7.53	6.76	6.63	7.32	7.76	8.15	8.88	9.12	9.18	9.25	9.06	8.09
	17	6.91	6.44	5.93	5.62	5.88	6.53	7.10	7.90	8.41	8.95	9.07	8.48	7.78
	18	6.47	5.50	5.12	4.97	5.23	6.05	6.44	6.87	7.25	7.70	7.73	7.54	6.94
	19	5.37	4.56	4.18	3.67	3.83	4.20	4.97	5.61	6.27	6.62	6.95	6.53	6.02
	20	5.66	5.43	4.33	4.30	4.27	5.17	5.39	6.33	6.92	6.96	6.79	6.70	5.93
	21	5.78	5.47	4.70	4.76	5.26	5.31	5.67	6.06	6.62	7.14	7.15	6.66	6.15
	22	5.39	4.68	4.32	3.97	4.22	4.64	5.30	6.04	6.43	7.02	6.88	6.79	5.73
	23	5.41	4.77	4.78	4.37	4.52	5.01	5.66	6.62	7.15	7.48	7.88	7.50	6.16
	24	5.52	4.97	4.50	4.66	5.00	5.74	6.34	6.92	7.24	7.24	7.00	6.96	6.62
	25	5.05	4.61	4.57	4.42	4.56	4.65	5.07	5.84	6.11	6.55	6.38	6.19	5.76
	26	4.56	4.63	4.15	3.91	4.23	4.85	5.45	6.09	6.28	6.53	6.54	6.55	5.57
	27	6.58	5.68	5.18	5.14	5.29	5.77	6.59	7.30	7.68	8.09	8.11	7.75	6.58
	28	5.79	5.23	5.13	5.23	5.72	5.75	6.25	7.06	7.34	7.93	7.70	7.14	6.70
	29	7.06	6.78	6.35	6.03	6.17	6.98	7.59	9.09	9.16	9.11	9.14	8.64	7.59
	30	8.25	7.40	6.84	6.93	7.35	7.70	8.19	8.52	9.50	9.64	9.80	9.16	8.71
	31	7.91	7.13	6.61	6.78	7.27	7.60	8.45	8.76	9.59	9.84	9.58	9.60	8.50
Hourly Means.		7.06	6.41	5.99	5.86	6.14	6.68	7.27	7.90	8.34	8.64	8.63	8.37	7.64

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	76.0	75.2	74.4	74.2	74.2	74.2	74.7	76.3	80.0	81.0	83.2	84.7	—
	2	74.4	74.0	74.0	73.4	73.4	72.9	73.8	77.0	80.8	83.3	83.7	85.6	—
	3	76.1	75.8	75.4	75.4	75.3	75.3	76.1	78.7	81.2	83.6	82.2	85.5	—
	4	74.9	74.9	74.9	74.9	74.9	74.3	74.4	75.0	77.5	80.5	82.0	82.2	—
	5	76.6	76.6	76.2	75.8	74.9	74.9	75.1	76.9	80.6	82.6	84.7	85.5	—
	6	75.9	75.5	75.2	74.9	74.4	74.1	74.5	76.0	77.7	80.0	82.7	83.9	—
	7	75.0	74.7	74.9	74.6	74.2	74.0	74.3	75.5	77.3	79.0	80.4	75.0	—
	8	73.0	73.0	72.8	72.6	72.6	72.0	73.2	76.0	78.0	79.3	83.0	85.0	—
	9	76.5	75.9	75.6	75.2	74.9	74.5	74.7	78.0	80.8	81.8	84.0	85.4	—
	10	76.6	76.1	75.9	75.5	75.5	74.9	75.2	78.5	81.5	82.0	84.3	85.8	—
	11	76.7	76.3	76.0	75.4	75.2	75.0	75.0	76.1	77.5	79.4	80.6	81.5	—
	12	75.7	75.0	74.4	74.0	73.2	73.0	72.8	74.3	79.2	82.8	84.6	86.2	—
	13	75.8	75.8	75.4	75.2	74.7	74.3	75.4	79.0	82.0	84.3	85.3	87.0	—
	14	76.7	76.4	76.0	76.0	75.8	75.4	75.7	78.6	82.0	84.5	84.9	86.7	—
	15	76.0	76.0	75.6	75.6	75.4	75.2	75.3	76.3	78.0	81.1	83.0	84.7	—
	16	75.0	74.8	74.4	74.2	73.6	73.4	73.7	76.0	79.0	80.5	82.5	83.8	—
	17	76.7	75.2	74.4	74.4	74.4	74.6	74.8	75.4	77.6	79.5	81.5	83.0	—
	18	76.2	75.8	75.3	75.3	75.0	74.8	75.7	78.0	81.0	81.4	83.2	83.4	—
	19	76.3	76.1	75.8	75.6	74.9	74.2	75.2	77.7	80.3	83.3	84.5	85.6	—
	20	78.1	78.0	78.0	77.1	76.3	76.1	77.0	79.2	81.2	83.1	85.2	86.0	—
	21	78.5	78.3	77.6	77.4	76.7	76.0	76.2	77.5	80.0	83.0	84.2	84.5	—
	22	74.9	74.6	74.2	73.9	73.5	73.1	73.3	75.2	78.9	82.3	84.7	86.3	—
	23	76.0	75.8	75.5	75.3	75.0	74.6	75.0	76.3	79.6	81.0	84.0	84.5	—
	24	76.1	75.2	74.6	74.4	74.2	73.9	74.5	76.8	79.4	81.6	84.1	85.0	—
	25	75.8	75.5	75.3	74.8	74.2	73.9	74.2	76.5	79.4	82.0	84.7	86.7	—
	26	76.3	76.1	75.7	75.5	75.8	75.6	76.0	76.3	78.2	80.0	81.0	83.0	—
	27	75.7	75.5	75.3	75.1	74.9	74.0	73.9	74.0	74.8	76.6	78.0	79.0	—
	28	74.4	73.4	73.3	73.0	72.3	72.3	73.5	74.0	76.7	80.1	81.2	83.2	—
	29	76.0	75.6	75.0	74.9	74.9	74.9	74.9	75.2	76.2	77.8	80.0	77.2	—
	30	73.5	73.7	73.7	73.3	73.0	73.0	71.2	72.0	73.3	74.7	77.7	75.2	—
	31	75.2	75.0	74.7	74.3	73.8	73.5	74.2	77.1	79.9	82.5	84.5	87.0	—
Hourly Means.		75.83	75.48	75.15	74.88	74.55	74.25	74.63	76.43	79.02	81.12	82.89	83.81	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	85.9	86.0	85.0	84.4	83.3	82.3	78.2	77.4	75.8	75.2	75.0	74.5	78.80
	2	86.0	85.5	84.3	83.5	83.5	82.7	81.5	80.6	79.8	78.3	77.5	76.8	79.43
	3	83.9	84.6	84.0	83.7	83.0	80.0	78.6	77.5	76.0	75.7	75.3	75.1	79.08
	4	80.3	84.0	84.2	84.0	83.0	81.8	80.2	80.0	79.0	77.8	77.2	77.0	78.70
	5	86.3	83.5	78.7	77.5	78.5	79.3	78.6	78.0	77.5	77.0	76.4	76.4	78.67
	6	85.0	85.7	85.7	85.5	84.1	82.7	81.3	80.3	76.5	75.3	75.1	75.2	79.05
	7	77.0	80.4	80.6	77.5	76.7	76.3	75.5	75.4	75.4	74.0	73.7	73.3	76.03
	8	84.0	83.0	84.0	83.6	83.2	81.8	80.5	79.3	78.7	78.1	77.4	77.0	78.38
	9	86.0	85.2	84.2	83.8	83.0	81.6	81.1	80.6	78.7	77.9	77.3	77.0	79.74
	10	85.4	85.8	85.0	85.0	83.8	83.0	82.4	81.7	81.1	80.2	78.8	77.7	80.49
	11	83.0	85.6	86.0	85.1	84.9	83.7	81.2	79.4	78.5	77.6	76.8	76.2	79.28
	12	88.0	87.5	86.5	85.1	84.3	83.0	82.1	81.1	79.2	77.6	77.0	76.6	79.72
	13	86.7	85.3	85.9	84.5	83.1	81.5	79.2	78.8	78.1	77.9	77.6	77.0	79.99
	14	86.5	86.5	85.8	85.2	84.4	83.0	82.0	78.8	77.8	77.2	76.7	76.0	80.36
	15	85.7	85.4	84.9	82.1	80.6	79.6	78.3	77.7	77.0	76.6	76.0	75.6	78.82
	16	75.0	77.5	79.4	80.3	79.6	79.0	78.2	77.8	77.1	76.7	76.5	76.3	77.26
	17	84.5	84.5	84.7	84.0	81.9	80.6	79.8	79.0	78.2	77.8	77.2	76.9	78.78
	18	84.0	84.3	84.0	83.6	82.2	81.7	80.2	79.5	79.0	78.2	77.7	77.0	79.44
	19	87.0	86.2	86.2	85.4	84.0	82.5	82.2	81.0	79.8	79.2	78.6	78.2	80.41
	20	86.0	85.6	85.3	84.9	83.9	83.1	82.3	80.6	80.2	79.7	79.3	79.1	81.05
	21	85.0	84.3	84.0	82.6	82.0	81.8	75.4	74.9	75.0	75.3	75.1	75.1	79.18
	22	79.5	78.5	79.6	80.2	80.3	80.0	78.9	78.0	77.4	77.1	76.7	76.4	77.81
	23	84.2	86.0	82.1	83.0	82.8	82.0	80.4	79.5	78.7	78.3	77.7	77.1	79.35
	24	86.0	85.2	86.0	81.8	77.2	76.2	76.0	76.3	76.5	76.3	76.2	76.0	78.31
	25	88.0	81.2	81.7	81.5	81.5	80.5	80.0	79.2	78.5	78.0	77.8	77.4	79.10
	26	85.0	78.5	77.8	79.5	81.0	79.1	77.5	76.8	77.5	76.8	76.6	76.1	77.99
	27	77.5	78.3	78.0	78.0	78.3	77.7	77.1	77.0	77.0	76.7	75.3	74.9	76.36
	28	84.0	82.8	81.7	82.7	82.0	81.2	80.0	78.8	78.2	77.1	76.8	76.0	77.86
	29	79.2	80.3	81.2	81.4	81.0	78.5	77.2	74.2	73.6	73.4	73.6	73.4	76.65
	30	78.5	80.6	81.7	81.2	80.7	79.3	78-2	77.8	77.5	77.0	76.8	76.0	76.23
	31	87.3	87.4	87.2	82.0	81.6	80.3	79.0	78.6	77.4	77.0	76.4	76.0	79.25
Hourly Means.		83.88	83.72	83.40	82.66	81.92	80.83	79.45	78.57	77.76	77.13	76.65	76.24	78.76

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	940	939	904	904	904	930	930	841	759	755	719	683	—
	2	930	930	930	946	929	946	929	883	776	645	680	640	—
	3	873	881	905	914	914	905	890	831	756	713	722	647	—
	4	904	904	913	904	922	913	930	914	829	768	737	730	—
	5	916	906	906	923	947	939	922	883	761	724	697	687	—
	6	931	940	939	947	956	965	947	915	820	766	684	667	—
	7	947	956	956	956	956	956	947	957	875	816	789	913	—
	8	955	946	920	929	937	955	955	865	860	816	711	651	—
	9	932	948	948	947	956	956	947	876	776	771	687	705	—
	10	924	931	931	923	923	947	947	878	792	737	696	688	—
	11	899	915	931	939	930	930	914	906	875	824	812	777	—
	12	905	922	930	921	929	911	910	888	757	697	657	600	—
	13	931	931	931	930	947	947	931	863	793	689	686	628	—
	14	940	940	948	948	957	948	931	878	765	670	645	615	—
	15	931	923	948	940	939	947	974	948	908	821	733	665	—
	16	947	947	947	947	956	946	929	881	870	790	731	694	—
	17	932	922	956	965	982	973	965	983	941	870	784	725	—
	18	948	940	947	957	956	965	940	901	827	798	697	732	—
	19	940	940	948	948	956	956	905	852	775	761	682	673	—
	20	925	925	925	949	966	966	958	910	844	775	705	682	—
	21	918	917	933	932	940	940	940	933	856	767	722	743	—
	22	965	965	965	965	956	964	965	957	870	787	724	695	—
	23	957	957	966	966	956	956	956	940	870	836	748	763	—
	24	890	905	939	939	947	947	956	916	840	778	722	697	—
	25	948	948	948	947	965	956	965	948	833	786	717	646	—
	26	940	948	948	957	948	948	906	882	814	759	761	747	—
	27	889	898	931	947	947	947	956	956	947	932	908	854	—
	28	862	886	869	911	928	946	946	912	841	765	712	676	—
	29	923	931	947	956	956	956	956	957	932	884	834	932	—
	30	965	965	965	965	964	964	945	946	938	930	892	889	—
	31	905	914	922	930	947	956	947	875	810	745	702	641	—
Hourly Means.		926	930	935	940	946	948	940	906	836	780	732	712	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	642	630	665	695	733	772	813	843	856	897	913	921	816
	2	593	640	675	699	699	723	791	811	848	884	875	891	804
	3	706	682	706	678	717	817	830	851	873	889	905	905	813
	4	835	666	661	666	697	762	825	855	862	900	907	907	830
	5	638	803	853	867	901	847	838	852	884	907	915	924	852
	6	697	674	617	591	661	723	769	781	865	922	922	930	818
	7	932	819	805	892	891	899	905	914	898	930	947	955	909
	8	720	766	741	719	732	770	804	839	869	908	916	924	842
	9	700	725	736	748	760	822	850	872	869	884	907	924	844
	10	672	668	724	724	761	794	830	844	843	880	878	892	826
	11	691	641	642	704	690	761	739	771	807	844	882	906	822
	12	589	611	650	697	715	739	785	843	847	852	875	906	797
	13	702	725	706	784	794	873	918	893	876	901	917	924	843
	14	671	683	653	731	736	781	807	822	844	866	890	915	816
	15	668	699	665	771	804	824	861	876	900	899	915	923	853
	16	896	907	909	872	840	894	925	917	932	940	948	957	897
	17	676	676	676	700	742	797	840	885	901	917	924	932	861
	18	749	722	721	734	750	799	849	863	885	893	900	916	850
	19	671	669	675	686	701	774	815	857	886	902	918	933	826
	20	713	712	704	690	755	767	822	826	841	863	894	894	834
	21	745	763	762	823	822	822	914	947	956	947	956	956	873
	22	886	901	879	849	864	879	902	933	941	949	948	948	902
	23	770	720	800	809	780	814	880	909	909	917	925	932	877
	24	714	759	741	843	949	923	948	948	940	948	948	957	879
	25	650	850	912	836	813	811	863	870	885	901	900	907	867
	26	697	877	876	848	835	839	819	858	859	891	882	899	864
	27	892	837	845	868	846	860	883	851	827	817	889	871	892
	28	714	710	777	731	714	747	766	831	837	883	899	923	824
	29	934	856	820	820	850	926	949	930	946	955	965	973	920
	30	846	746	742	762	782	794	845	844	851	851	833	864	879
	31	630	654	654	844	806	826	854	830	883	883	932	931	834
Hourly Means.		730	735	742	764	779	812	846	863	878	897	910	921	850

DIRECTION OF THE WIND.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	N	N	N	N	N	N	N	N	NNW	NW	N	NNE
	2	C	SW	SW	SW	SW	C	SW	SW	SW	ESE	NE	NE
	3	SSW	S	S	S	S	S	S	S	S	E	NE	NNW
	4	SSW	SSW	SW	SW	SW	SW	SW	C	WSW	NW	NW	NW
	5	NNW	C	C	C	C	C	C	NNW	W	NW	WNW	NW
	6	C	C	C	W	C	C	W	W	WSW	WNW	WNW	WNW
	7	C	W	W	W	C	W	C	W	W	NW	NW	NNE
	8	C	C	SW	SW	C	C	SW	WNW	WSW	WSW	WNW	NW
	9	C	C	C	C	C	C	SW	ESE	ESE	ESE	NW	NNE
	10	C	C	C	C	C	C	C	N	NW	NW	ENE	NNE
	11	C	C	C	N	N	N	NNE	E	SSE	S	SSW	NW
	12	SW	C	C	C	C	C	SW	SW	SW	E	ENE	ENE
	13	C	S	S	C	C	S	S	S	E	E	E	NE
	14	C	C	C	C	C	C	SSW	SSW	ESE	E	ESE	NNE
	15	C	SW	SW	NE	C	NE	NE	SSE	SSE	WSW	NNW	N
	16	C	C	C	C	SSW	SSW	C	SW	SW	WNW	WNW	NW
	17	NW	NW	NW	NW	N	N	NNE	NNE	NNE	WNW	NW	NW
	18	C	C	C	C	C	NNE	NNE	NNE	N	NW	N	N
	19	N	C	C	C	N	N	N	NNW	E	E	NNE	N
	20	C	C	C	N	N	N	N	ESE	ENE	ENE	NE	N
	21	C	C	C	C	C	C	NW	NW	NW	NW	WNW	N
	22	C	C	C	C	SW	SW	SW	C	WSW	W	NW	NNW
	23	C	WNW	WNW	WNW	WNW	WNW	WNW	C	SW	W	NNW	NNW
	24	E	E	C	E	E	C	E	S	SW	WSW	NNW	NNW
	25	C	C	SE	SE	SE	C	SE	S	WNW	NW	NW	NW
	26	C	C	C	C	W	W	WNW	WNW	WNW	WNW	NW	W
	27	W	W	WNW	WNW	WNW	W	W	W	W	W	NW	WNW
	28	W	WSW	W	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	NW
	29	WNW	WNW	W	C	C	C	C	W	W	W	NW	N
	30	WNW	C	C	WNW	C	WNW	W	W	W	SW	W	WNW
	31	C	C	C	C	C	C	W	WSW	WSW	W	W	WSW

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	ENE	NNE	N	N	N	NNW	SW	SW	SW	C	C	C
	2	N	NNE	N	N	NNE	N	C	N	N	N	SSW	SW
	3	NNE	N	N	N	N	SSW	SSW	SSW	SSW	SSW	SSW	SSW
	4	NNW	NW	N	N	NNW	NNW	NNW	NNW	C	C	C	C
	5	NW	NNW	NNW	NW	NW	W	W	W	W	C	C	C
	6	NNW	WNW	NW	NW	WNW	NW	WNW	WNW	W	W	W	C
	7	NNE	N	NNW	SSW	SSW	SSW	SSW	C	WSW	SW	C	SW
	8	N	N	N	N	N	NNW	W	SW	C	C	C	C
	9	N	NNE	N	N	N	N	N	N	N	N	C	C
	10	N	N	N	N	N	C	N	N	C	N	N	C
	11	NNW	W	WSW	W	W	W	C	WSW	SW	C	C	C
	12	E	NE	NE	NE	N	NE	NE	NE	S	S	C	C
	13	NNE	NNE	NNE	N	N	SW	SSW	C	C	C	C	C
	14	NE	NE	NE	NE	NNE	N	N	SW	C	SW	SW	SW
	15	NNE	NNW	N	SW	SSW	SSW	C	C	C	C	C	C
	16	N	C	NNW	NNW	NNW	C	C	NNW	C	C	C	NNW
	17	NW	NW	NW	NNW	NNE	NNE	C	C	C	C	C	C
	18	N	N	N	N	N	N	N	N	C	C	C	C
	19	NNE	N	N	NNE	N	N	N	C	C	C	N	C
	20	N	NNE	N	NE	N	N	N	NW	C	C	C	C
	21	N	N	N	N	N	NNW	NNW	WSW	SW	SW	C	C
	22	NW	NW	NW	NW	NW	WNW	C	C	C	C	C	C
	23	N	NNW	NW	N	NW	NW	C	C	NW	NW	NW	N
	24	N	N	N	NNW	SE	SE	SE	SE	SE	C	C	C
	25	NNW	N	NW	SSW	WNW	WNW	W	W	W	W	C	C
	26	NW	NW	NNW	NW	WNW	WNW	WNW	WNW	NW	WNW	W	W
	27	WNW	WNW	WNW	W	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W
	28	NNW	NW	NW	NW	NW	W	NW	C	C	C	C	NW
	29	N	NW	NNW	NW	NNW	NW	NW	WNW	C	WNW	C	WNW
	30	W	W	SW	WSW	W	WSW	WSW	SW	SW	W	W	C
	31	NW	WSW	W	NNW	NW	SSW	SSW	SSW	SSW	SSW	SSW	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	0.8	1.6	1.6	1.6	1.6	0.8	1.6	2.4	1.6	1.6	4.8	7.2	—
	2	0.0	0.8	0.8	1.6	0.8	0.0	0.8	1.6	4.8	5.6	6.4	8.0	—
	3	6.4	3.2	1.6	3.2	3.2	1.6	2.4	3.2	3.2	6.4	8.9	9.7	—
	4	1.6	1.6	3.2	1.6	3.2	2.4	1.6	0.0	4.0	4.8	6.4	6.4	—
	5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	6.4	6.4	6.4	—
	6	0.0	0.0	0.0	0.8	0.0	0.0	1.6	2.4	3.2	4.8	6.4	7.2	—
	7	0.0	1.6	1.6	0.8	0.0	0.8	0.0	1.6	2.4	6.4	12.9	8.9	—
	8	0.0	0.0	1.6	1.6	0.0	0.0	0.8	2.4	3 2	3.2	3.2	6.4	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.0	1.6	4.0	6.4	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	9.7	10.5	—
	11	0.0	0.0	0.0	0.8	0.8	1.6	3.2	4.0	6.4	4.0	4.0	8.9	—
	12	0.8	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	6.4	7.2	10.5	—
	13	0.0	0.8	0.8	0.0	0.0	0.8	1.6	2.4	6.4	9.7	9.7	12.9	—
	14	0.0	0.0	0.0	0.0	0.9	0.0	0.8	2.4	4.0	7.2	8.0	8.0	—
	15	0.0	0.8	4.8	6.4	0.0	1.6	3.2	2.4	0.8	3.2	4 8	8.9	—
	16	0.0	0.0	0.0	0.0	0.8	0.8	0.0	3.2	4.8	6.4	6.4	8.0	—
	17	4.8	0.8	1.6	1.6	1.6	1.6	0.8	0.8	3.2	6.4	5.6	6.4	—
	18	0.0	0.0	0.0	0.0	0.0	1.6	0.8	1.6	6.4	8.0	11.3	10.5	—
	19	0.8	0.0	0.0	0.0	0.8	0.8	3.2	4.0	4.8	4.0	5.6	6.4	—
	20	0.0	0.0	0.0	0.8	1.6	0.8	0.8	3.2	5.6	6.4	9.7	12.1	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.0	5.6	12.9	—
	22	0.0	0.0	0.0	0.0	0.8	1.6	0.8	0.0	3.2	6.4	10.5	13.7	—
	23	0.0	0.8	1.6	1.6	1.6	0.8	1.6	0.0	4.0	4.8	8.0	8.9	—
	24	4.0	1.6	0.0	0.8	0.8	0.0	2.4	4.8	4.8	4.8	8.0	8.0	—
	25	0.0	0.0	0.8	0.8	0.8	0.0	0.8	1.6	4.8	6.4	8.9	8.9	—
	26	0.0	0.0	0.0	0.0	0.8	1.6	6.4	9.7	10.5	12.9	11.3	12.1	—
	27	1.6	4.8	5.6	4.8	7.2	6.4	3.2	2.4	3.2	4.8	6.4	6.4	—
	28	2.4	4.8	4.8	7.2	9 7	1.6	6 4	8.9	9.7	12.1	12.1	14.5	—
	29	0.8	1.6	1.6	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.8	3.2	—
	30	0.8	0.0	0.0	0.8	0.0	2.4	4.0	1.6	2.4	1 6	5.6	10.5	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.0	5.6	8.0	7.2	—
Hourly Means.		0.83	0.80	1.03	1.19	1.16	0.95	1.73	2.59	4.16	5.51	7.44	8.90	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	8.9	10.5	11.3	12.1	8.0	3.2	4.0	1.6	1.6	0.0	0.0	0.0	3.68
	2	10.5	12.9	11.3	8.9	8.0	3.2	0.0	1.6	4.0	6.4	8.0	6.4	4.68
	3	16.1	13.7	10.5	8.0	6.4	5.6	3.2	2.4	0.8	1.6	3.2	3.2	5.32
	4	3.2	11.3	10.5	8.0	6.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	3.34
	5	5.6	6.4	6.4	3.2	2.4	4.0	3.2	1.6	0.8	0.0	0.0	0.0	2.57
	6	13.7	11.3	11.3	9.7	7.2	5.6	2.4	4.8	3.2	0.8	0.8	0.0	4.05
	7	7.2	9.7	10.5	7.2	3.2	2.4	1.6	0.0	3.2	1.6	0.0	0.8	3.52
	8	10.5	8.0	9.7	8.9	7.2	4.0	3.2	0.8	0.0	0.0	0.0	0.0	3.11
	9	11.3	14.5	14.5	11.3	8.9	4.0	0.8	1.6	0.8	0.8	0.0	0.0	3.72
	10	11.3	12.1	11.3	6.4	1.6	0.0	1.6	0.8	0.0	1.6	0.8	0.0	3.09
	11	7.2	6.4	6.4	2.4	0.8	1.6	0.0	3.2	0.8	0.0	0.0	0.0	2.60
	12	10.5	11.3	12.1	12.1	9.7	6.4	1.6	0.8	3.2	2.4	0.0	0.0	4.23
	13	15.3	12.9	15.3	8.9	3.2	4.8	2.4	0.0	0.0	0.0	0.0	0.0	4.50
	14	16.1	16.1	13.7	12.9	4.8	2.4	4.8	2.4	0.0	0.8	0.8	0.8	4.42
	15	12.9	13.7	8.0	7.2	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.51
	16	9.7	0.0	0.8	3.2	1.6	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.97
	17	10.5	11.3	11.3	8.9	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.62
	18	12.1	10.5	10.5	8.9	6.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	3.86
	19	10.5	10.5	12 9	11.3	8.0	2.4	0.8	0.0	0.0	0.0	0.8	0.0	3.65
	20	12.9	13.7	10.5	6.4	4.8	1.6	3.2	2.4	0.0	0.0	0.0	0.0	4.02
	21	10.5	9.7	8.0	8.0	8.0	6.4	2.4	1.6	1.6	0.8	0.0	0.0	3.48
	22	8.0	3.2	2.4	2.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.41
	23	8.0	9.7	7.2	7.2	4.8	0.8	0.0	0.0	0.8	0.8	1.6	4.8	3.31
	24	8.0	9.7	8.9	8.9	1.6	1.6	0.8	0.8	0.8	0.0	0.0	0.0	3.38
	25	11.3	8.0	2.4	3.2	4.8	3.2	1.6	1.6	2.4	1.6	0.0	0.0	3.08
	26	12.1	8.0	8.0	7.2	6.4	6.4	1.6	2.4	4.8	4.8	4.8	8.9	5.86
	27	6.4	8.0	4.8	4.8	3.2	1.6	1.6	3.2	8.0	9.7	8.9	4.8	5.08
	28	12.1	9.7	8.9	8.0	6.4	4.8	3.2	0.0	0.0	0.0	0.0	2.4	6.24
	29	4.0	8.0	5.6	3.2	5.6	0.8	0.8	4.8	0.0	0.8	0.0	1.6	2.13
	30	10.5	10.5	8.9	6.4	4.8	4.8	4.8	2.4	4.8	4.0	0.8	0.0	3.85
	31	8.9	6.4	6.4	1.6	1.6	4.8	3.2	3.2	0.8	1.6	1.6	0.0	2.84
Hourly Means.		10.19	9.93	9.04	7.32	5.17	3.07	1.81	1.50	1.37	1.29	1.04	1.11	3.71

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	3	3	4	8	7	10	7	6	6	7	9	6	—
	2	1	2	1	1	2	2	3	0	1	4	4	4	—
	3	10	9	9	10	10	9	10	3	2	4	5	4	—
	4	2	10	9	10	10	10	10	10	9	10	8	10	—
	5	10	10	10	10	10	10	9	9	7	4	7	8	—
	6	10	10	10	10	7	9	10	9	10	7	9	7	—
	7	9	8	9	10	10	8	10	10	8	10	10	10	—
	8	9	10	4	8	5	1	3	3	9	6	4	6	—
	9	8	3	7	9	8	6	1	1	2	5	5	3	—
	10	10	10	7	6	7	7	9	6	6	7	8	7	—
	11	8	5	6	10	10	10	10	10	10	10	10	10	—
	12	9	8	7	7	6	4	6	4	3	2	4	5	—
	13	4	2	4	4	2	1	2	1	4	4	5	5	—
	14	3	3	3	4	2	1	2	1	2	5	4	4	—
	15	7	6	10	10	10	10	10	9	8	7	8	6	—
	16	2	3	3	4	6	10	10	7	6	7	10	10	—
	17	10	9	7	10	10	10	10	10	10	10	10	9	—
	18	2	3	5	5	3	4	4	6	5	9	9	9	—
	19	7	9	9	5	4	4	2	1	0	5	6	5	—
	20	7	6	6	5	5	5	4	3	3	4	3	2	—
	21	4	4	5	5	6	6	7	6	6	5	5	8	—
	22	2	2	1	1	1	3	9	9	7	4	5	9	—
	23	5	9	6	8	7	10	10	8	7	7	7	7	—
	24	3	4	2	3	3	3	9	8	7	6	5	6	—
	25	4	2	4	4	2	6	3	1	2	2	3	3	—
	26	3	3	2	3	4	6	9	8	7	7	10	10	—
	27	6	8	9	10	10	10	10	10	10	10	10	10	—
	28	10	10	10	10	10	10	10	10	4	3	8	8	—
	29	4	3	10	9	8	10	10	10	10	10	10	10	—
	30	10	10	10	10	10	10	10	10	10	10	8	10	—
	31	6	5	3	3	3	4	6	6	6	8	9	8	—
Hourly Means.		6.1	6.1	6.2	6.8	6.4	6.7	7.3	6.3	6.0	6.4	7.0	7.1	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	2	1	1	1	3	9	9	6	5	5	1	0	5.0
	2	5	3	6	6	4	5	7	8	8	5	6	9	4.0
	3	7	5	6	6	8	8	7	4	7	6	8	8	6.9
	4	10	5	3	3	3	3	10	6	3	3	7	9	7.2
	5	8	10	10	10	10	10	9	10	9	9	9	10	9.1
	6	5	7	6	8	8	10	10	10	10	10	10	9	8.8
	7	10	10	10	10	10	10	10	10	10	10	10	10	9.7
	8	9	10	7	9	10	10	10	10	10	10	10	10	7.6
	9	2	3	3	4	4	7	8	10	10	10	10	10	5.8
	10	8	1	3	1	9	9	10	10	10	10	10	7	7.4
	11	6	7	8	8	7	9	8	6	4	3	5	8	7.8
	12	4	4	3	2	1	1	9	9	8	6	6	6	5.2
	13	8	7	6	10	10	10	10	10	6	5	6	9	5.6
	14	4	5	6	4	4	3	3	2	2	1	1	3	3.0
	15	5	6	7	8	9	9	9	9	7	7	3	2	7.6
	16	10	10	8	8	9	10	9	8	9	6	6	10	7.5
	17	10	7	6	6	9	8	7	7	6	9	9	6	8.5
	18	10	10	9	9	10	10	7	7	6	10	10	9	7.1
	19	7	6	4	4	3	5	2	2	1	2	4	3	4.2
	20	2	4	2	5	9	9	10	8	6	7	8	7	5.4
	21	7	9	9	9	9	10	10	10	10	10	4	5	7.0
	22	10	10	10	10	10	7	3	2	3	4	3	2	5.3
	23	7	9	10	8	6	6	4	5	3	5	8	5	7.0
	24	7	7	8	10	9	10	10	10	10	10	10	10	7.1
	25	9	10	9	9	10	10	10	9	6	7	7	5	5.7
	26	8	10	10	9	9	10	4	5	8	5	8	4	6.8
	27	10	10	10	10	7	8	8	10	10	10	10	9	9.4
	28	10	10	5	4	7	10	10	10	10	10	10	10	8.7
	29	10	10	10	10	10	10	10	10	10	10	10	10	9.3
	30	8	8	6	9	10	9	10	9	10	10	10	9	9.4
	31	7	8	8	10	9	9	8	8	6	5	5	4	6.4
Hourly Means.		7.3	7.2	6.7	7.1	7.6	8.2	8.1	7.7	7.2	7.1	7.2	7.0	6.95

DURATION OF SUNSHINE.

MARCH.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	7	10	9	1	3	2	4	5	9	7	10	10	10	10	10	10	7.3
2	10	10	10	9	10	6	4	4	7	9	10	10	9	7	7	0	7.6
3	10	10	8	9	9	2	3	10	7	8	7	9	10	10	7	0	7.4
4	0	3	6	2	3	7	9	6	1	1	2	9	10	10	10	10	5.6
5	2	10	10	10	9	9	9	8	4	2	2	3	0	0	0	0	4.9
6	1	0	3	9	10	7	4	0	3	7	9	8	3	6	7	7	5.3
7	2	5	7	1	0	0	0	0	0	0	0	3	3	0	4	0	1.6
8	8	2	0	0	2	10	9	10	9	4	4	0	0	8	8	7	5.1
9	10	10	9	1	7	8	7	6	6	10	10	9	10	10	10	9	8.3
10	10	7	2	6	5	3	3	9	8	6	3	8	10	9	9	10	6.8
11	0	0	0	0	0	0	0	2	6	6	5	6	4	3	2	0	2.1
12	9	10	10	10	10	9	9	8	8	9	8	9	10	10	10	10	9.3
13	9	9	8	8	9	9	9	9	7	7	6	6	9	10	10	4	8.1
14	10	8	6	9	8	6	8	8	7	7	4	9	10	9	9	10	8.0
15	1	0	1	6	5	4	1	8	10	10	10	10	9	4	0	0	4.9
16	6	6	6	4	7	7	7	6	8	2	1	0	0	0	0	0	3.8
17	0	6	5	3	6	6	6	6	7	9	8	8	10	10	9	9	6.8
18	7	7	10	4	4	2	8	6	2	4	7	8	9	10	6	7	6.3
19	10	10	10	8	4	6	9	8	8	8	9	8	10	10	10	10	8.6
20	4	3	8	3	9	10	9	6	10	10	9	7	8	9	8	4	7.3
21	4	5	7	7	4	2	5	6	7	7	3	1	2	1	0	0	3.8
22	6	10	10	10	10	9	8	8	7	0	0	0	0	0	0	0	4.9
23	8	10	9	6	7	10	8	6	6	7	6	8	4	6	3	7	6.9
24	7	8	9	8	8	8	9	6	5	7	8	8	9	9	8	1	7.4
25	10	10	10	10	10	9	9	9	9	9	6	4	0	0	0	0	6.6
26	5	4	5	4	4	5	2	6	7	6	3	0	0	0	0	0	3.2
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
28	0	2	6	10	10	5	3	2	5	5	5	4	0	2	6	10	4.7
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
30	0	0	1	0	0	1	3	0	1	5	7	7	4	6	2	0	2.3
31	1	3	5	3	1	3	6	8	8	7	8	6	1	4	3	0	4.2
Means.	5.1	5.7	6.1	5.2	5.6	5.3	5.5	5.7	5.9	5.8	5.5	5.7	5.3	5.6	5.1	4.0	5.44

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

MARCH.

Mean Batavia Time.	7h30 A. M.	8	8h30	9	9h30	10	10h30	11	11h30	12	0h30 P. M.	1	1h30	2	2h30	3	3h30	4	4h30
1	28.4	37.4	45.9	48.4	47.7	37.5	47.2	45.4	42.6	52.9	49.7	52.6	53.4	52.4	52.1	50.4	49.1	39.4	39.4
2	34.2	42.4	46.4	49.6	50.4	52.1	53.9	45.5	44.3	49.6	48.8	53.9	54.4	54.3	54.0	45.3	49.3	36.9	36.3
3	31.4	42.6	44.7	46.9	45.8	53.4	55.7	39.4	52.5	55.9	46.0	51.4	55.3	52.5	53.4	52.9	43.4	38.7	36.7
4	24.0	28.4	31.6	42.9	43.3	50.9	43.3	52.6	52.5	—	30.7	—	37.5	52.2	51.4	50.7	49.6	35.9	37.6
5	28.1	32.9	40.6	53.1	54.1	51.2	50.1	53.3	52.8	41.9	47.0	48.9	39.4	—	—	27.0	26.8	27.4	27.4
6	28.0	35.4	32.7	37.3	43.6	53.3	54.3	49.9	49.8	49.4	46.3	51.9	54.1	48.8	45.8	50.9	48.3	38.0	36.3
7	26.3	32.8	33.2	47.3	44.4	40.0	39.6	38.9	—	—	—	37.5	39.4	45.4	43.4	37.4	39.4	—	—
8	35.8	37.4	46.6	37.6	37.6	47.1	47.2	54.0	49.4	54.4	52.6	47.4	48.6	42.9	43.4	52.0	48.6	37.6	34.9
9	35.4	43.1	46.2	47.4	45.0	47.9	45.4	46.3	51.4	50.4	48.0	53.9	53.6	51.9	51.0	49.6	48.2	38.6	35.9
10	33.4	46.0	49.1	43.9	43.7	39.2	48.6	49.4	40.7	57.4	54.0	45.6	42.6	51.9	52.0	48.0	49.4	38.6	38.7
11	25.1	27.4	30.2	31.5	35.2	35.4	38.4	41.3	40.8	44.3	53.7	42.9	54.9	53.8	49.3	47.1	43.0	38.4	38.4
12	26.4	35.2	43.6	49.1	50.3	51.4	51.0	53.2	52.4	52.9	49.1	55.6	50.1	55.4	51.3	49.4	49.3	40.4	40.0
13	35.4	42.1	45.0	46.4	49.8	49.6	48.1	51.1	55.9	50.4	48.9	52.9	43.9	49.4	53.5	52.0	51.9	34.4	29.6
14	33.6	42.0	45.6	44.5	48.7	54.9	48.6	49.4	53.7	54.3	50.9	46.4	46.1	53.9	52.2	45.4	45.6	42.2	40.9
15	26.7	31.4	39.6	36.5	39.2	49.4	46.8	41.9	43.6	50.9	50.3	52.7	53.8	51.4	51.0	43.5	36.1	33.9	31.6
16	28.4	34.9	36.4	43.5	43.9	46.0	46.9	49.5	46.4	45.4	49.8	—	—	29.0	30.9	34.5	34.9	33.9	34.3
17	24.6	27.1	30.3	43.9	41.1	45.4	48.3	46.4	44.7	50.0	51.6	54.4	53.6	52.4	54.4	52.9	53.4	40.3	39.4
18	34.7	41.9	44.0	48.6	51.7	38.6	46.2	49.9	53.6	45.4	44.5	48.4	46.8	48.2	48.7	49.2	41.9	46.2	38.6
19	35.7	42.4	45.0	49.7	51.0	49.4	38.8	52.6	55.6	44.2	54.7	56.0	55.6	52.9	52.0	50.9	49.1	45.9	34.9
20	35.6	39.5	39.3	50.4	45.0	48.9	53.6	54.5	51.6	53.4	53.4	53.7	52.7	48.8	49.4	49.6	49.4	38.9	36.7
21	27.6	33.4	38.0	42.9	48.3	48.9	43.0	52.9	50.3	46.4	54.8	51.9	39.6	47.2	45.4	36.4	32.4	29.9	29.4
22	28.4	35.4	42.2	47.9	50.6	52.0	53.6	50.4	53.7	56.4	42.8	—	28.7	28.4	28.4	33.8	29.4	30.5	27.4
23	26.6	35.7	42.8	48.4	50.9	41.7	53.4	54.6	48.9	43.9	49.1	48.4	42.9	54.3	35.4	45.5	40.1	43.3	34.4
24	31.1	36.2	47.5	52.0	49.6	52.3	53.8	54.9	51.0	50.5	45.0	53.9	49.6	49.9	50.8	47.9	38.2	—	—
25	35.6	42.4	45.5	47.9	49.1	49.2	51.3	53.9	54.3	53.2	49.8	51.1	44.6	—	30.0	30.6	30.5	30.3	29.2
26	27.3	32.9	41.6	41.3	47.7	46.5	45.3	45.9	42.7	54.0	50.9	52.9	—	29.4	27.9	29.4	29.4	34.4	33.9
27	—	—	24.4	27.9	29.8	34.4	34.7	38.1	37.7	—	31.3	—	—	28.4	30.0	29.9	—	—	30.5
28	—	28.1	31.6	39.6	47.1	50.4	51.6	41.6	44.8	44.4	52.6	—	46.1	38.5	—	43.1	45.9	46.4	35.4
29	23.7	25.8	27.3	29.0	31.8	34.6	39.1	44.4	42.6	30.6	33.7	31.4	33.3	34.5	35.9	34.9	35.0	35.1	33.0
30	22.8	25.8	—	29.4	30.4	—	—	46.4	42.4	—	41.4	48.8	49.4	46.3	42.2	44.9	37.8	33.9	32.3
31	32.7	36.5	43.2	44.2	50.3	45.5	49.6	50.4	53.2	55.4	55.5	55.9	54.1	45.4	43.0	50.2	—	29.4	29.9
Means.	29.90	35.82	40.00	43.52	45.07	46.57	47.58	48.32	48.53	49.55	47.90	50.02	47.29	46.54	45.11	44.04	42.26	37.10	34.59

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	22.6	17.8	13.9	12.0	9.1	9.6	14.9	11.0	5.3	3.4	2.9	1.4	—
	2	18.2	18.7	16.3	15.4	10.6	25.4	25.9	17.3	7.2	1.4	3.8	2.4	—
	3	38.4	7.7	24.0	28.8	10.1	13.4	13.9	—	—	—	—	2.4	—
	4	21.6	P N	P N	P N	P N	26.4	— 1.0	15.8	23.0	2.4	4.8	4.3	—
	5	10.6	8.2	11.0	13.9	18.2	14.4	8.6	13.4	6.2	5.3	4.3	4.3	—
	6	31.7	20.2	27.8	24.0	25.4	27.8	33.1	15.4	10.6	5.3	4.3	6.2	—
	7	34.6	23.5	25.4	21.1	26.9	20.2	27.8	17.8	15.4	6.2	10.1	N	—
	8	20.2	22.6	11.0	13.4	12.5	22.1	36.0	12.5	8.6	6.7	3.8	4.8	—
	9	26.4	25.0	28.8	33.6	30.2	28.3	31.2	15.4	3.4	4.3	3.8	3.4	—
	10	25.0	24.5	32.2	21.1	21.1	21.1	31.2	16.3	9.1	7.2	3.4	3.4	—
	11	22.6	23.0	25.4	31.2	24.0	25.9	19.2	11.5	12.0	3.4	11.5	8.6	—
	12	26.4	24.5	30.7	32.2	29.3	25.4	20.2	15.4	7.7	4.3	2.4	3.4	—
	13	11.5	13.0	8.6	10.1	13.9	19.2	10.1	11.0	3.8	2.4	2.9	1.9	—
	14	8.6	12.5	15.8	20.2	13.9	16.8	14.4	11.5	3.4	2.4	1.9	1.4	—
	15	16.3	18.7	30.2	P N	P N	P N	14.9	17.8	5.3	6.7	4.3	4.3	—
	16	33.1	31.2	28.3	29.8	24.0	15.8	22.1	14.4	9.6	7.2	5.3	5.8	—
	17	P	11.5	15.4	P N	P N	P N	18.2	30.2	27.4	9.6	9.1	4.8	—
	18	40.8	37.0	35.0	35.5	33.6	31.7	27.4	25.0	13.0	5.8	4.3	2.9	—
	19	28.3	23.5	36.5	36.5	31.7	23.5	22.6	10.1	6.7	4.8	4.3	3.4	—
	20	20.2	25.9	23.0	20.6	30.7	32.6	29.3	18.7	5.8	1.9	2.4	2.9	—
	21	18.7	19.2	19.2	13.9	14.9	17.3	18.7	16.3	7.7	5.3	2.9	2.9	—
	22	29.8	20.2	18.7	18.7	22.6	22.6	20.2	19.2	13.4	6.2	6.2	11.0	—
	23	24.0	23.5	17.3	13.4	19.7	23.5	20.6	18.7	10.1	5.8	3.8	3.4	—
	24	15.8	16.8	33.1	24.0	32.6	25.4	13.4	16.8	8.6	4.3	4.8	4.8	—
	25	21.1	21.6	13.9	19.2	14.9	18.2	20.6	13.4	7.2	4.8	4.3	3.8	—
	26	18.2	11.5	12.0	12.0	10.6	11.5	9.6	6.2	8.6	6.7	5.8	4.3	—
	27	9.1	7.2	3.8	5.8	3.8	N	P N	— 7.7	24.0	13.4	9.6	9.6	—
	28	8.6	6.2	8.6	— 0.5	— 9.6	9.6	12.0	7.7	10.1	6.7	4.8	4.3	—
	29	13.4	12.0	4.3	14.9	23.5	16.3	4.3	23.5	16.3	10.1	6.2	P N	—
	30	18.7	19.7	24.0	10.1	12.5	24.0	P N	13.4	24.0	12.5	7.7	N	—
	31	13.0	9.6	13.0	13.9	16.3	10.1	26.9	7.7	8.6	4.8	3.4	3.8	—
Hourly Means.		21.6	18.6	20.2	19.5	18.8	20.6	19.5	14.5	10.7	5.7	5.0	4.3	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	3.4	4.8	4.3	4.8	15.8	P	37.0	—19.2	7.7	18.2	18.2	15.8	10.2
	2	3.4	1.4	3.8	5.8	7.7	9.6	15.4	P N	30.2	— 0.5	7.7	27.4	11.9
	3	6.2	12.0	8.2	7.2	27.8	44.2	43.2	12.5	16.3	18.7	16.3	18.7	18.5
	4	14.4	4.3	6.7	7.7	6.2	6.7	11.5	14.9	15.8	15.4	12.0	11.0	11.2
	5	7.2	P N	P N	P	24.5	0.5	12.0	14.4	15.4	16.8	21.1	18.2	11.8
	6	4.3	4.8	6.2	7.7	13.0	14.4	11.0	12.5	N	17.3	28.8	33.6	16.8
	7	N	7.7	13.9	N	7.7	11.0	25.0	P	5.8	30.7	1.9	16.8	17.5
	8	4.8	3.4	8.2	5.8	6.7	9.6	— 0.5	24.0	18.2	25.0	31.2	24.0	13.9
	9	3.4	4.3	4.8	7.2	9.1	P	19.2	N	3.9	18 2	20.6	31.2	16.3
	10	2.9	2.9	3.4	3.4	4.3	18.2	P	P N	P N	P N	15.4	17.8	14.2
	11	5.3	4.8	4.3	5.8	6.7	13.0	28.8	26.9	16.8	18.7	30.7	30.7	17.1
	12	2.4	— 0.5	1.9	1.9	2.4	7.2	N	N	P N	5.3	9.1	9.6	12.4
	13	— 7.2	7.2	1.9	P N	P N	P N	P N	P	24.0	12.5	13.4	17.8	9.4
	14	— 7.7	— 1.0	3.4	5.8	13 4	18.2	29.3	10.6	13.9	14.4	15.8	15.8	10.6
	15	5.8	7.7	16.3	10.1	8.6	8.2	21.1	27.4	29.8	27.4	33.6	22.6	16.1
	16	P N	P N	19.7	28.3	P	35.5	11.5	3.4	5.8	12.0	10.1	4.8	17.0
	17	5.3	3.8	3.4	4.3	7.7	10.6	13.4	23.5	31.2	24.0	31.2	30.2	15.7
	18	4.3	5.8	5.3	4.3	8.2	20.6	29.3	27.4	22.1	30.2	25.4	22.1	20.7
	19	3.4	4.8	3.4	1.9	6.2	7.7	10.6	15.8	16.8	18.2	22.1	20.6	15.1
	20	2.4	1.4	3.8	5.3	5.3	8.6	13.9	14.4	13.4	14.9	13.0	21.6	13.8
	21	4.3	5.8	21.6	3.8	10.6	P N	P N	P N	P N	33.6	32.2	29.8	14.9
	22	P N	N	18.7	6.7	10.1	9.6	15.8	28.8	34.6	27.8	23.0	23 5	18.5
	23	3.4	13.0	N	N	7.7	9.6	13.9	35.0	25.9	20.6	33.1	24.5	16.8
	24	4.3	4.8	6.2	P N	P N	P N	8.6	17.8	15.8	12.0	20.2	20.2	14.8
	25	3.8	P N	P N	14.9	35.0	10.1	10.1	11.5	11.5	10.1	10.1	12.5	13.3
	26	4.3	N	P	5.8	7.7	— 9.6	10.6	17.8	13.0	13.0	8.6	8.2	8.9
	27	N	4.8	8.2	7.2	8.2	10.6	18.7	13.0	12.0	8.2	7.2	7.2	8.8
	28	4.8	3.8	7.2	5.8	5.8	11.5	14.4	24.0	19.7	30.7	31.2	17.8	10.2
	29	P N	P N	5.8	6.7	8.2	N	21.1	P N	P N	4.8	14.4	16.3	12.3
	30	4.8	4.3	4.3	3.8	5.3	4.8	7.7	8.2	8.6	7.2	8.6	13.9	11.3
	31	3.4	3.8	5.3	N	4.3	8.6	14.4	15.4	22.6	24.0	20.2	21.6	11.9
Hourly Means.		3.7	4.8	7.4	6.9	10.2	12.0	17.3	16.5	17.3	17.6	18.9	19.5	13.80

BAROMETRIC PRESSURE.

BAROMETER AT 0°.C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	9.11	8.88	8.74	8.96	8.82	8.94	9.12	9.94	9.95	9.84	9.39	8.70	—
	2	9.04	8.38	8.25	8.06	8.22	8.60	9.11	9.79	9.80	10.10	9.57	8.81	—
	3	9.58	8.78	8.60	9.08	8.84	8.84	9.05	9.21	9.49	9.09	8.63	8.03	—
	4	8.94	8.99	8.72	8.74	8.76	8.89	9.35	9.59	9.98	9.65	9.03	8.43	—
	5	9.40	9.06	9.09	8.85	8.78	8.96	8.84	9.30	9.69	9.77	9.46	8.82	—
	6	9.35	9.01	8.61	8.49	8.50	9.02	9.61	10.11	10.39	10.53	10.09	9.43	—
	7	9.90	9.38	8.95	9.03	9.16	9.65	10.12	10.64	10.95	10.89	10.67	10.07	—
	8	10.38	10.04	9.64	9.84	9.85	10.14	10.70	11.15	11.38	11.47	10.96	10.23	—
	9	10.51	10.09	10.10	9.96	9.86	10.19	10.69	10.93	10.91	11.08	10.79	10.07	—
	10	9.92	9.49	9.30	9.21	9.21	9.67	10.09	10.31	10.69	10.50	10.16	9.75	—
	11	9.57	9.40	9.06	8.92	8.86	9.36	9.81	10.19	10.22	10.03	9.69	9.15	—
	12	9.14	8.80	8.81	8.69	9.01	9.57	10.10	10.32	10.38	10.11	9.55	9.00	—
	13	9.28	9.14	9.14	9.05	9.34	9.61	9.88	10.34	10.53	10.36	10.08	9.53	—
	14	9.58	9.10	8.75	8.79	8.21	8.76	9.04	9.21	9.27	9.09	8.58	8.03	—
	15	8.83	8.20	8.23	7.93	7.94	8.11	8.75	8.99	9.08	8.86	8.31	7.70	—
	16	8.63	8.00	7.78	7.45	7.59	7.90	8.28	9.14	9.19	8.94	8.25	7.66	—
	17	7.19	6.73	6.66	6.69	6.61	7.06	7.81	7.91	8.09	8.29	7.61	6.96	—
	18	7.24	6.95	6.56	6.74	6.99	7.45	8.11	8.58	9.35	9.44	8.82	8.22	—
	19	8.89	8.29	7.92	7.88	7.80	8.08	8.69	9.00	9.20	9.14	8.58	7.86	—
	20	8.84	8.57	8.13	7.84	8.41	8.78	9.35	9.78	9.09	8.47	8.05	7.56	—
	21	8.55	7.79	7.20	7.56	7.68	7.99	8.54	8.50	8.49	8.28	7.82	7.13	—
	22	7.51	7.06	7.03	6.79	6.79	7.35	7.80	8.44	8.47	8.39	7.76	7.06	—
	23	7.43	7.14	7.12	7.03	6.99	7.50	7.84	8.08	8.42	7.96	7.57	7.10	—
	24	7.45	7.16	6.85	7.15	7.36	7.55	8.25	8.83	8.76	8.41	7.94	7.32	—
	25	7.02	6.60	6.39	6.56	6.85	7.06	7.22	7.55	7.76	7.88	7.51	6.97	—
	26	6.90	6.69	6.57	6.50	6.53	7.14	7.70	8.18	8.73	8.88	8.39	7.55	—
	27	7.54	6.97	6.99	7.10	7.10	7.63	7.89	8.20	8.64	8.43	8.14	7.42	—
	28	7.91	7.53	7.08	6.94	7.22	7.64	7.78	8.29	8.43	8.12	7.55	6.71	—
	29	7.08	6.60	6.38	6.19	6.32	6.30	7.24	7.58	8.02	8.00	7.62	6.72	—
	30	6.73	6.58	6.45	6.38	6.45	6.73	7.10	7.30	7.73	7.85	7.39	6.55	—
Hourly Means.		8.58	8.18	7.97	7.95	8.00	8.35	8.80	9.18	9.37	9.26	8.80	8.15	—

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	8.09	7.48	7.22	7.11	7.45	7.73	8.62	9.21	9.46	9.60	9.58	9.34	8.80
	2	7.83	7.43	6.76	6.60	6.87	7.47	8.10	8.84	9.65	9.99	9.98	9.90	8.63
	3	7.31	6.77	6.10	7.22	7.11	7.43	8.15	8.72	9.39	9.89	9.91	9.58	8.53
	4	7.65	6.95	6.33	6.41	6.81	6.96	8.01	8.81	9.46	9.69	9.78	9.76	8.57
	5	8.21	7.42	8.23	7.65	7.49	8.10	8.70	8.87	9.33	9.69	9.71	9.69	8.88
	6	8.78	8.15	7.65	7.58	7.75	8.23	8.64	9.24	10.01	10.31	10.40	10.19	9.17
	7	9.33	8.85	8.46	8.33	8.63	9.00	9.36	10.22	10.78	10.80	10.53	10.54	9.76
	8	9.71	9.10	8.57	8.57	8.80	9.33	10.09	10.72	11.11	11.50	11.53	10.97	10.24
	9	9.22	8.45	8.22	9.03	9.45	9.69	9.95	10.68	10.79	11.24	10.90	10.61	10.14
	10	9.34	8.67	8.12	8.17	8.47	9.89	10.28	10.51	10.36	10.48	10.45	9.97	9.71
	11	8.68	8.13	7.77	7.56	7.63	8.15	8.87	9.35	9.80	10.00	9.88	9.76	9.16
	12	8.56	8.03	7.32	7.32	7.37	7.72	8.38	9.25	9.60	9.66	9.69	9.55	9.00
	13	8.60	7.81	7.44	7.31	7.86	8.01	8.78	9.41	10.17	10.46	10.26	10.04	9.27
	14	7.32	6.74	6.37	6.28	6.58	7.05	7.68	8.72	9.46	9.52	9.50	9.11	8.36
	15	7.16	6.50	5.92	5.57	5.71	6.49	6.98	8.17	8.71	8.78	9.37	9.10	7.89
	16	6.92	6.25	5.52	5.43	5.52	5.93	6.87	7.41	7.94	8.44	8.15	7.80	7.54
	17	6.61	5.88	5.36	5.09	5.35	5.89	6.35	7.30	7.91	7.88	7.84	7.40	6.94
	18	7.37	6.45	6.17	6.37	6.70	7.28	7.89	8.78	9.39	9.53	9.30	9.26	7.87
	19	7.07	6.56	6.38	6.23	6.68	7.25	8.26	8.88	9.43	9.60	9.55	9.01	8.18
	20	7.16	6.96	6.38	6.45	6.52	7.42	8.12	8.81	9.57	9.66	9.63	9.17	8.28
	21	6.37	5.76	5.28	5.48	6.43	7.06	7.42	7.96	7.78	8.05	8.40	8.06	7.48
	22	6.28	5.88	5.48	5.71	5.61	5.70	6.23	7.04	7.32	7.60	7.73	7.66	7.03
	23	6.41	5.70	5.21	5.31	6.00	6.71	7.31	7.80	8.08	8.18	8.20	7.87	7.21
	24	6.23	5.66	5.22	5.32	5.40	5.68	6.40	6.84	7.30	7.64	7.61	7.59	7.08
	25	6.56	6.05	5.61	5.78	6.05	6.57	6.98	7.26	7.79	7.78	7.76	7.48	6.96
	26	6.61	6.21	5.58	5.60	5.61	6.18	6.66	7.37	7.82	8.05	8.38	8.11	7.16
	27	6.80	6.23	5.92	6.01	6.27	6.57	7.37	7.85	8.41	8.60	8.58	8.33	7.46
	28	5.96	5.20	4.95	4.95	5.17	5.90	6.46	6.92	7.27	7.53	7.45	7.14	6.92
	29	5.98	5.35	4.98	4.93	5.13	5.56	6.28	6.68	7.23	7.46	7.34	7.25	6.59
	30	6.02	5.51	5.18	6.06	6.41	6.97	7.64	7.82	8.30	8.64	8.66	8.28	7.03
Hourly Means.		7.47	6.87	6.46	6.51	6.76	7.26	7.89	8.51	8.99	9.21	9.20	8.95	8.19

STANDARD THERMOMETER.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	75.6	75.4	75.0	74.4	74.2	74.0	74.2	75.4	77.3	79.9	82.1	84.4	—
	2	75.7	75.0	74.8	74.0	73.8	73.5	75.0	77.2	80.0	82.1	84.4	85.0	—
	3	77.3	76.8	76.3	76.3	76.1	75.6	76.5	78.6	81.2	83.6	85.2	87.6	—
	4	77.7	77.9	77.5	77.0	76.2	75.7	76.1	77.5	79.3	82.0	85.3	87.0	—
	5	78.3	77.8	77.0	76.2	76.0	75.8	76.1	77.9	80.9	84.0	84.8	85.6	—
	6	75.0	74.8	74.4	74.0	73.5	73.3	73.6	75.0	78.3	81.2	83.3	84.1	—
	7	75.9	75.0	74.0	73.2	72.3	71.7	72.2	75.6	79.3	82.0	83.3	85.2	—
	8	76.9	76 7	76.7	76.1	75.5	75.0	75.2	76.3	77.1	78.6	80.6	83.3	—
	9	75.5	75.5	75.2	75.0	75.0	74.8	75.2	76.9	80.2	82.1	83.1	84.7	—
	10	74.3	74.3	74.1	73.9	73.7	73.5	74.0	76.9	78.2	80.6	82.5	82.5	—
	11	74.0	73.8	73.6	73.0	72.7	72.7	73.0	74.8	78.5	81.4	83.2	85.0	—
	12	76.1	75.6	75.2	74.6	74.0	73.8	74.9	77.5	80.3	83.0	84.4	83.7	—
	13	76.8	76.5	76.5	76.1	75.5	75.1	75.8	78.6	81.0	83.4	84.8	86.3	—
	14	76.5	76.0	76.0	75.4	75.0	74.5	75.2	78.1	81.4	84 1	85.7	86.7	—
	15	76.7	76.2	76.7	76.3	75.7	75.6	75.5	76.1	80.0	82.9	84.7	86.3	—
	16	78.0	77.2	76.7	76.2	76.0	75.6	75.8	76.8	78.9	82.0	83.0	83.0	—
	17	76.6	76.0	75.0	74.3	74.5	74.5	75.0	75.5	77.5	80.4	82.0	82.5	—
	18	76.5	76.0	75.8	75.5	75.5	75.2	75.5	77.0	79.0	81.0	81.6	80.6	—
	19	78.0	77.6	77.0	76.6	76.2	76.0	76.6	78.6	84.9	83.8	85.1	86.8	—
	20	76.6	76.8	76.4	76.2	75.8	75.3	76.0	78.7	81.7	84.6	86.0	87.1	—
	21	75.0	74.6	74.4	74.6	74.8	74.3	75.0	78.0	82.0	84.4	85.7	86.4	—
	22	75.8	75.5	75.5	75.3	75.1	74.7	75.2	77.5	80.3	83.2	85.6	86.7	—
	23	76.9	76.4	76.0	76.0	75.6	75.1	75.2	76.5	80.3	83.0	83.4	84.8	—
	24	75.5	75.0	74.7	74.3	74.0	74.0	74.6	76.6	79.6	82.7	83.5	83.7	—
	25	76.2	75.4	74.9	74.6	74.2	74.2	74.9	77.1	81.0	83.6	85.5	87.0	—
	26	77.0	76.7	76.4	76.0	75.8	75.0	75.7	79.3	82.0	82.6	83.6	85.0	—
	27	77.0	76.5	76.3	76.3	76.1	75 3	76.0	78.5	81 1	83.6	85.5	87.0	—
	28	77.1	77.0	77.0	76.5	76.1	75.6	76.1	79.0	82.0	84.4	86.0	86.6	—
	29	77 6	77.2	76.6	75.9	75.1	74.8	75.1	77.4	80.6	83.4	85.9	87.4	—
	30	78.0	77.6	77.1	76.8	76.4	76.1	76.6	79.0	81.7	83.0	84.2	85.4	—
	Hourly Means.	76.47	76.09	75.76	75.35	75.01	74.68	75.19	77.26	80.09	82.55	84.13	85.25	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	83.1	83.1	83.3	83.9	83.7	81.0	79.1	78.3	78.0	77.3	77.0	76.4	78.59
	2	86.3	86.1	85.2	85.6	84.8	83.4	81.4	80.1	79.0	78.5	78.1	77.7	79.86
	3	88.2	89.4	89.5	81.8	80.0	79.8	80.3	79.8	78.2	77.6	77.8	77.4	80.45
	4	87.2	89.2	88.2	85.5	83.5	82.7	81.4	81.2	80.3	79.7	79.0	78.5	81.07
	5	86.1	86.3	76.3	76.3	77.1	77.1	76.6	76.4	76.2	75.6	75.3	75.0	78.53
	6	84.5	85.0	85.3	84.1	83.0	81.7	80.4	79.7	78.7	77.7	77.0	76.8	78.93
	7	85.0	85.4	85.0	83.8	83.3	81.9	80.5	78.7	78.4	77.9	77.7	77.5	78.95
	8	82.9	83.2	83.2	83.0	82.6	81.3	80.3	78.9	78.3	78.0	76.8	75.8	78.85
	9	85.3	85.4	83.6	79.5	74.0	74.0	74.0	74.3	74 1	74.3	74.5	74.5	77.53
	10	84.0	85.1	84.8	83.8	83.2	76.7	75.3	74.7	74.7	74.7	74.5	74.3	77.68
	11	84.2	85.0	85.3	84.6	83.5	82.1	80.7	80.0	78.5	77.7	76.9	76.3	78.77
	12	85.5	85.9	85.5	84.6	83.8	82.4	81.0	79.7	79.0	78.1	78.1	77.1	79.74
	13	87.5	86.8	86.0	85.0	84 5	83 0	82.0	80.4	79.2	78.4	77.5	76.8	80.56
	14	87.6	87.1	86.8	85.8	85.0	83.4	82 6	80.8	79.2	78.5	77.4	77.1	80.66
	15	86.3	86.1	86.0	85.3	84.0	83.0	81.5	81 0	80.6	79.4	78.5	78.2	80.53
	16	84.5	85 1	84.5	84.2	83.6	82.1	81.1	80.4	79.4	78.7	78.1	77.3	79.93
	17	80.6	83.2	83.2	83.1	82.3	81.0	79.9	78 9	78.3	78.1	77.5	77.0	78.62
	18	82.8	84.0	84.2	83.2	82.5	81.2	80.6	80.0	79.2	78.7	78.3	78.1	79.25
	19	87.5	84.9	86.7	85.6	85.0	83.4	83.0	81.5	79.0	77 5	77.2	76.8	81.05
	20	86.8	82.0	83.3	84.1	83.5	82.7	81.3	80.0	78.0	77.0	75.5	75.1	80.02
	21	87.0	88.0	87.7	87.0	85.6	78.8	75.3	75.6	75 5	76.0	76.5	76.0	79.51
	22	86.5	85.9	84.9	84.1	82.4	81.6	80.5	79.5	78.6	78.0	77.7	77.3	79.89
	23	86.5	86.8	86.2	85.2	84.0	81.5	79 0	77.1	76.9	76.7	76.0	76.0	79.63
	24	85.7	85.1	85.7	85.3	84.3	83.2	81.7	80.1	78.9	78.0	77.7	77.0	79.62
	25	86.7	85.0	85.2	85.7	85.0	83.6	82.3	80.8	79.7	79.5	78.5	77.6	80.34
	26	86.2	81.6	85.2	85.0	84.4	83.1	82.0	80.8	79.8	79.0	78.1	77.5	80.33
	27	87.3	87.9	86.6	86.0	84.8	83.8	82.1	81.1	80.0	79.0	78.1	77 5	80.98
	28	88.0	89.0	87.0	86.7	85.5	84.0	82.6	81.3	79.8	79.0	78.6	78.0	81.37
	29	88.1	87.5	87.0	86.4	85.0	83.8	83.0	81.4	80.9	80 3	79.9	79.2	81 23
	30	87.8	88.0	87.0	83.0	81.0	79.6	78.8	78.2	77.7	77.5	77.1	77.1	80.20
	Hourly Means.	85.86	85.87	85.28	84.24	83.16	81.56	80.34	79.36	78.47	77.88	77.36	76.90	79.75

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	931	880	914	921	904	904	896	872	844	781	736	695	—
	2	915	922	904	930	929	938	922	883	774	765	682	709	—
	3	875	891	906	923	931	948	932	846	763	673	672	648	—
	4	867	860	867	883	882	898	940	900	848	758	686	641	—
	5	885	892	907	940	940	931	923	860	776	688	677	699	—
	6	956	965	939	947	956	937	929	871	769	713	673	682	—
	7	923	922	921	911	910	909	884	800	749	680	631	626	—
	8	907	906	916	940	880	922	914	932	900	838	753	665	—
	9	948	948	956	956	956	965	947	891	782	758	698	665	—
	10	973	973	965	965	973	982	973	916	869	805	738	773	—
	11	956	947	956	964	964	955	955	930	854	777	672	638	—
	12	923	939	947	947	930	912	888	828	775	691	702	741	—
	13	940	948	948	948	948	947	940	854	783	712	676	650	—
	14	932	948	948	947	956	947	922	853	757	668	661	639	—
	15	899	899	899	882	931	939	931	866	796	697	657	607	—
	16	901	916	924	940	931	948	931	899	862	764	760	767	—
	17	891	923	930	939	947	947	956	931	900	842	778	751	—
	18	924	940	940	948	948	956	948	916	854	805	792	835	—
	19	925	941	941	932	932	931	924	862	772	741	705	640	—
	20	924	916	923	931	931	939	923	862	785	709	669	673	—
	21	888	904	913	930	930	930	914	861	751	702	688	644	—
	22	948	957	957	957	956	956	947	925	835	755	706	652	—
	23	949	957	966	966	957	966	957	940	857	761	783	752	—
	24	922	930	930	930	930	921	930	866	863	794	755	755	—
	25	932	931	939	939	947	947	947	875	763	734	679	665	—
	26	932	932	940	948	931	939	923	848	800	787	748	717	—
	27	949	948	957	948	948	947	948	918	836	727	686	634	—
	28	916	924	932	932	931	940	923	878	751	716	694	677	—
	29	917	924	916	898	888	888	880	828	775	776	700	654	—
	30	917	925	932	932	932	940	932	886	807	789	729	712	—
Hourly Means.		922	927	931	936	934	938	929	880	808	747	706	687	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	747	739	740	749	734	768	816	837	861	883	900	899	831
	2	631	630	685	680	717	754	820	856	894	893	893	908	818
	3	645	613	560	756	817	833	818	848	901	907	908	916	814
	4	673	613	682	699	768	794	820	820	864	886	870	846	807
	5	714	735	856	923	941	941	948	957	948	957	957	965	873
	6	636	620	615	668	690	756	796	824	846	900	916	916	813
	7	645	620	619	613	684	749	796	869	893	908	917	907	795
	8	697	697	732	732	710	741	834	854	868	860	916	923	835
	9	711	678	705	749	921	938	938	947	956	956	956	965	870
	10	728	704	703	714	747	809	913	947	956	956	947	956	874
	11	701	697	685	709	713	758	811	840	901	917	932	940	841
	12	647	674	653	663	734	772	843	902	909	933	933	941	826
	13	617	690	713	684	716	739	799	864	902	908	925	924	824
	14	594	672	684	719	677	761	801	796	854	853	875	883	806
	15	670	682	675	653	706	745	806	835	842	847	869	893	801
	16	716	678	723	736	740	764	836	864	878	885	876	883	838
	17	826	747	725	760	778	820	855	893	917	925	925	907	867
	18	774	721	728	732	765	813	835	871	902	909	926	933	863
	19	643	682	716	746	751	795	809	844	838	875	900	916	823
	20	709	851	810	756	768	816	850	886	860	907	905	905	842
	21	679	632	612	627	640	846	922	922	939	940	923	957	821
	22	715	747	764	769	800	858	895	909	942	950	958	966	868
	23	683	691	701	725	762	799	800	858	874	890	915	915	851
	24	754	738	699	718	770	795	814	849	870	908	917	916	845
	25	716	731	711	706	710	776	815	872	894	894	918	933	832
	26	676	827	739	725	736	795	829	880	902	918	933	941	848
	27	629	661	690	694	730	755	829	873	879	885	901	907	828
	28	656	592	645	683	699	749	801	813	863	869	877	901	807
	29	614	660	640	656	697	748	787	843	865	887	903	902	802
	30	637	626	641	773	804	839	869	876	884	883	891	883	835
Hourly Means.		683	688	695	717	748	794	837	868	890	903	913	918	833

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
APRIL	1	C	C	C	SSW	SW	SW	SW	SW	SW	WSW	WSW	W
	2	C	C	W	C	C	W	W	C	E	E	NE	NNE
	3	SSW	C	SSW	C	SSW	SSW	SSW	SSW	SSW	NNW	W	NW
	4	SW	SW	C	C	SW	SW	SW	S	SSE	WSW	NNW	NW
	5	C	SW	W	W	W	W	W	W	SW	SSW	NE	NNE
	6	C	C	SSE	SSE	C	C	SSE	S	SSW	SSW	NE	NE
	7	NE	NE	NE	NE	NE	NE	NE	NE	SSE	NE	NE	E
	8	NE	NE	NE	NNE	NNE	NNE	NNE	NNE	NNE	SSW	S	S
	9	S	C	C	S	S	S	S	S	E	ESE	NE	ENE
	10	C	C	C	C	C	C	SSW	S	SSE	SSE	ESE	NNE
	11	C	C	C	S	S	S	S	S	S	ESE	NE	ENE
	12	NE	NE	NE	NE	NE	NE	NE	SE	ENE	NE	NW	NW
	13	C	C	C	C	C	NE	E	SE	E	ESE	E	E
	14	C	C	NE	C	C	NE	NE	SE	ESE	E	ENE	ENE
	15	C	S	NE	NE	NE	NE	E	S	S	E	NE	E
	16	C	C	NNE	C	C	C	NNE	NNE	NNE	NNW	N	N
	17	C	C	C	C	WNW	NW	C	E	E	SW	NW	NW
	18	C	C	C	C	C	C	C	NW	ENE	ENE	N	NNW
	19	C	C	N	C	C	C	N	SE	SE	E	SE	SE
	20	S	C	S	C	C	C	S	S	S	E	ENE	E
	21	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SE	E	NE	NE
	22	C	C	C	C	C	C	C	C	SSE	ESE	ENE	ENE
	23	SW	SW	C	C	C	SW	SW	SW	SW	ESE	ESE	N
	24	C	C	C	C	C	C	C	SSW	SSW	N	NW	WNW
	25	C	C	C	C	C	C	NW	WSW	SE	E	E	NE
	26	C	C	C	NE	C	NE	C	SE	E	E	NE	NE
	27	C	C	C	NNE	NNE	C	C	NNE	NNE	SE	E	ENE
	28	C	C	C	SW	C	SW	SW	SSW	SSE	E	NE	NW
	29	SSE	SSE	SSE	S	S	C	S	S	S	S	E	NE
	30	C	C	C	C	C	C	N	N	N	N	ENE	NNW

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
APRIL	1	W	NW	NW	NW	W	WSW	WSW	W	W	W	W	C
	2	NNE	N	N	N	N	SSW	C	C	C	C	C	SSW
	3	NW	NNW	NNW	S	S	S	SW	SW	SW	C	C	C
	4	NNW	NW	NW	SW	SW	SW	SW	SW	C	C	C	C
	5	N	N	S	SSE	SSE	SSE	SSE	SSE	SSE	C	C	C
	6	N	NE	NE	NE	NE	NE	NE	C	C	C	NE	NE
	7	NNE	NNE	NE	NNE	NNE	NE	NE	NE	NE	NE	C	NE
	8	S	S	SE	S	S	S	S	S	S	S	S	S
	9	NE	N	NE	SW	WSW	SSW	SSW	C	C	C	C	C
	10	N	NNE	N	NNE	NE	SE	S	S	S	S	S	C
	11	N	NNE	NE	NE	NE	NNE	NNE	C	C	C	NNE	NNE
	12	E	NNE	NE	NNE	NE	NE	C	C	C	NE	NE	C
	13	ENE	NE	NNE	NNE	NE	NE	NE	C	C	C	C	NE
	14	NE	N	NNE	NE	NE	NE	NE	S	S	S	S	S
	15	NE	NNE	NNE	NE	NNE	NNE	C	C	NNE	NNE	NNE	NNE
	16	N	NNE	NNW	N	N	NNW	C	C	NNW	NW	WNW	C
	17	NNW	NW	NNW	NW	C	C	C	C	C	C	C	C
	18	N	N	N	N	N	N	C	C	C	N	N	C
	19	ENE	NNE	NE	NNE	NNE	NNE	NE	NE	S	S	S	S
	20	N	ENE	NNE	N	NNE	NNE	C	N	S	SSW	SSW	SSW
	21	NNE	NNE	NE	NNE	N	SW	WSW	C	WSW	SW	SSE	C
	22	NE	N	NNE	NNW	NW	WSW	SW	SW	SW	C	C	C
	23	N	N	N	NNE	N	W	SSW	SSW	SSW	SSW	SSW	SSW
	24	N	NNW	N	NW	NNW	NW	C	C	C	NW	C	C
	25	NE	NE	NNE	NE	NE	NE	NE	C	C	C	C	C
	26	NE	SE	NNE	NNE	NE	NNE	NNE	C	C	C	C	C
	27	N	NNE	NNE	NNE	N	N	C	SW	SW	SW	SW	SW
	28	NNW	NE	NNE	NNE	N	NNE	NNE	NE	SE	SSE	SSE	SSE
	29	N	N	NNE	N	N	N	C	C	C	C	C	C
	30	NNE	NNE	N	SW	SW	SSW	SSW	SSW	SSW	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	0.0	0.0	0.0	3.2	1.6	0.8	1.6	3.2	4.0	5.6	7.2	5.6	—
	2	0.0	0.0	0.8	0.0	0.0	1.6	0.8	0.0	7.2	6.4	4.8	4.8	—
	3	0.8	0.0	1.6	0.0	0.8	0.8	1.6	5.6	4.0	6.4	6.4	8.9	—
	4	0.8	0.8	0.0	0.0	0.8	1.6	3.2	3.2	4.0	4.8	7.2	9.7	—
	5	0.0	1.6	0.8	1.6	2.4	0.8	1.6	2.4	7.2	4.8	4.8	8.9	—
	6	0.0	0.0	1.6	1.6	0.0	0.0	1.6	4.8	6.4	4.0	8.9	10.5	—
	7	1.6	1.6	3.2	3.2	3.2	3.2	4.0	4.0	4.0	4.8	6.4	6.4	—
	8	1.6	0.8	0.8	1.6	1.6	0.8	0.8	1.6	5.6	4.8	5.6	4.8	—
	9	1.6	0.0	0.0	1.6	0.8	1.6	0.8	3.2	10.5	8.0	8.9	10.5	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	2.4	3.2	2.4	4.8	—
	11	0.0	0.0	0.0	0.8	1.6	1.6	1.6	1.6	3.2	6.4	6.4	5.6	—
	12	2.4	1.6	2.4	2.4	3.2	1.6	1.6	1.6	4.0	4.8	3.2	4.0	—
	13	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	5.6	10.5	12.1	14.5	—
	14	0.0	0.0	0.8	0.0	0.0	1.6	2.4	4.0	9.7	9.7	10.5	11.3	—
	15	0.0	0.8	6.4	0.8	1.6	0.8	3.2	1.6	2.4	6.4	10.5	10.5	—
	16	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	1.6	2.4	4.8	7.2	—
	17	0.0	0.0	0.0	0.0	0.8	1.6	0.0	2.4	0.8	2.4	3.2	4.8	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	1.6	2.4	2.4	—
	19	0.0	0.0	0.8	0.0	0.0	0.0	0.8	2.4	6.4	8.0	6.4	4.8	—
	20	1.6	0.0	0.8	0.0	0.0	0.0	0.8	2.4	3.2	8.0	12.1	8.0	—
	21	0.8	1.6	1.6	0.8	0.8	0.8	0.8	0.8	2.4	1.6	1.6	3.2	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	6.4	9.7	—
	23	0.8	0.8	0.0	0.0	0.0	0.8	1.6	1.6	1.6	2.4	1.6	5.6	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	3.2	3.2	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	9.7	9.7	8.9	—
	26	0.0	0.0	0.0	0.8	0.0	1.6	0.0	4.8	5.6	5.6	7.2	6.4	—
	27	0.0	0.0	0.0	0.8	0.8	0.0	0.0	1.6	1.6	4.8	5.6	7.2	—
	28	0.0	0.0	0.0	0.8	0.0	0.8	2.4	1.6	2.4	4.8	2.4	4.8	—
	29	1.6	4.0	2.4	4.8	1.6	0.0	0.8	3.2	3.2	4.0	7.2	8.0	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	1.6	1.6	3.2	5.6	—
Hourly Means.		0.45	0.45	0.83	0.83	0.72	0.77	1.31	2.40	4.06	5.13	6.08	7.02	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	4.8	6.4	7.2	5.6	6.4	4.8	3.2	1.6	1.6	0.8	0.8	0.0	3.17
	2	8.0	9.7	8.9	8.0	4.0	4.0	0.0	0.0	0.0	0.0	0.0	0.8	2.91
	3	8.0	11.3	10.5	9.7	0.8	0.8	1.6	1.6	0.8	0.0	0.0	0.0	3.42
	4	9.7	12.1	12.1	4.8	1.6	3.2	1.6	0.8	0.0	0.0	0.0	0.0	3.42
	5	12.9	10.5	9.7	1.6	1.6	0.8	0.8	0.8	0.8	0.0	0.0	0.0	3.18
	6	8.9	7.2	9.7	7.2	6.4	2.4	1.6	0.0	0.0	0.0	0.8	0.8	3.52
	7	8.0	11.3	11.3	9.7	8.9	2.4	0.8	0.8	0.8	0.8	0.0	1.6	4.25
	8	2.4	3.2	3.2	3.2	0.8	0.8	1.6	4.8	1.6	1.6	0.8	1.6	2.33
	9	10.5	13.7	12.1	8.9	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	4.10
	10	4.0	9.7	12.9	8.0	11.3	9.7	2.4	3.2	1.6	1.6	0.8	0.0	3.52
	11	8.0	13.7	9.7	12.9	8.9	4.0	1.6	0.0	0.0	0.0	1.6	2.4	3.82
	12	9.7	14.5	12.9	12.1	8.0	3.2	0.0	0.0	0.0	0.8	0.8	0.0	3.95
	13	11.3	13.7	14.5	12.9	11.3	6.4	1.6	0.0	0.0	0.0	0.0	0.8	5.03
	14	10.5	13.7	13.7	14.5	11.3	4.8	3.2	2.4	3.2	1.6	1.6	0.8	5.47
	15	8.0	10.5	9.7	8.9	4.8	0.8	0.0	0.0	0.8	0.8	1.6	1.6	3.85
	16	7.2	12.1	12.1	8.9	8.0	1.6	0.0	0.0	1.6	2.4	0.8	0.0	3.05
	17	3.2	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.13
	18	2.4	6.4	7.2	4.8	4.0	0.8	0.0	0.0	0.0	0.8	0.8	0.0	1.53
	19	3.2	8.9	9.7	11.3	6.4	5.6	3.2	2.4	2.4	3.2	1.6	0.8	3.68
	20	11.3	8.0	8.9	7.2	1.6	0.8	0.0	3.2	1.6	3.2	4.8	4.8	3.85
	21	4.8	5.6	6.4	5.6	4.0	9.7	1.6	0.0	0.8	1.6	0.8	0.0	2.40
	22	6.4	8.9	9.7	4.8	1.6	0.8	0.8	1.6	0.8	0.0	0.0	0.0	2.35
	23	8.0	9.7	11.3	10.5	5.6	3.2	4.8	4.0	0.8	1.6	0.8	0.8	3.25
	24	8.0	8.0	4.8	4.8	4.8	1.6	0.0	0.0	0.0	0.8	0.0	0.0	1.87
	25	9.7	12.9	12.9	12.9	11.3	4.0	0.8	0.0	0.0	0.0	0.0	0.0	4.30
	26	9.7	4.8	8.9	11.3	9.7	4.0	0.8	0.0	0.0	0.0	0.0	0.0	3.38
	27	8.0	11.3	11.3	10.5	4.8	0.8	0.0	2.4	2.4	1.6	1.6	0.8	3.25
	28	5.6	12.1	11.3	11.3	8.0	2.4	3.2	2.4	3.2	1.6	0.8	0.8	3.45
	29	9.7	10.5	9.7	6.4	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.51
	30	8.9	8.0	7.2	4.0	4.8	6.4	6.4	3.2	1.6	0.0	0.0	0.0	2.70
Hourly Means.		7.69	9.72	9.76	8.13	5.65	3.10	1.41	1.17	0.88	0.83	0.69	0.61	3.32

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	5	8	7	7	3	4	10	10	10	9	10	10	—
	2	6	5	2	4	3	2	3	1	0	1	3	4	—
	3	7	6	8	8	7	9	4	4	2	2	2	2	—
	4	10	10	7	7	8	8	9	9	6	4	2	2	—
	5	9	9	6	6	4	2	6	3	2	1	10	6	—
	6	6	10	10	9	9	10	10	7	4	3	4	5	—
	7	3	5	6	2	2	8	7	4	4	6	4	5	—
	8	9	9	10	9	9	9	10	10	10	10	9	9	—
	9	10	10	10	10	10	10	9	7	6	6	7	4	—
	10	10	10	9	9	10	10	6	4	10	9	9	10	—
	11	3	4	2	2	4	7	10	4	1	3	3	6	—
	12	2	2	1	2	3	2	2	4	4	5	4	7	—
	13	2	8	8	1	2	2	1	0	1	2	1	4	—
	14	1	2	1	1	1	3	2	1	1	0	1	2	—
	15	5	7	6	10	10	9	5	5	5	4	3	3	—
	16	4	3	2	2	4	5	6	10	8	9	10	10	—
	17	2	3	2	5	6	10	10	10	9	10	10	10	—
	18	8	7	6	8	8	8	10	9	9	9	10	10	—
	19	10	10	10	8	10	8	7	2	1	4	3	6	—
	20	3	7	2	2	3	3	1	0	0	0	0	9	—
	21	2	2	10	10	3	3	3	3	4	4	4	6	—
	22	6	4	3	3	2	2	3	3	3	5	4	5	—
	23	7	4	7	6	6	4	9	3	2	7	8	5	—
	24	5	6	7	6	10	10	9	9	8	8	7	8	—
	25	1	1	0	1	1	2	1	0	1	1	0	10	—
	26	2	1	1	1	1	1	1	1	2	6	5	5	—
	27	2	2	1	1	2	3	3	2	3	4	3	3	—
	28	2	3	5	3	4	2	2	0	0	3	7	4	—
	29	4	3	2	2	5	4	2	2	1	1	2	3	—
	30	3	1	1	0	0	2	1	0	6	8	10	7	—
Hourly Means.		5.0	5.4	5.1	4.8	5.0	5.4	5.4	4.2	4.1	4.8	5.2	6.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	10	10	10	7	10	10	9	9	9	9	9	7	8.4
	2	4	2	3	3	4	5	6	6	5	10	10	10	4.3
	3	5	4	5	10	10	9	9	10	10	10	10	10	6.8
	4	8	5	8	9	9	7	10	10	8	7	5	9	7.4
	5	6	7	10	10	9	9	8	5	1	4	1	1	5.6
	6	5	4	4	2	2	5	3	8	7	3	3	5	5.8
	7	3	3	1	4	4	2	2	6	7	10	10	10	4.9
	8	10	9	10	7	8	9	9	10	10	10	10	10	9.4
	9	4	5	9	10	10	10	10	9	9	10	10	10	8.5
	10	4	2	3	4	9	10	10	10	5	4	2	2	7.1
	11	7	7	7	5	4	6	3	3	2	1	1	1	4.0
	12	6	4	5	4	5	4	2	0	0	0	2	1	3.0
	13	4	4	3	2	3	2	2	2	1	1	2	1	2.5
	14	3	2	1	1	1	5	6	10	9	9	9	7	3.3
	15	2	1	2	1	2	4	3	9	9	10	8	5	5.3
	16	10	7	5	4	2	4	7	3	4	9	8	3	5.8
	17	10	9	9	8	6	5	4	4	10	6	5	3	6.9
	18	6	8	7	6	7	5	7	10	10	10	10	10	8.3
	19	7	3	1	1	1	8	7	9	5	3	2	1	5.3
	20	3	10	7	6	7	7	6	10	5	9	7	4	4.6
	21	5	4	3	6	9	10	10	9	9	9	10	8	6.1
	22	7	10	10	9	10	9	10	10	10	10	4	6	6.2
	23	4	3	2	2	2	3	6	3	2	2	1	1	4.1
	24	6	3	3	5	3	3	2	1	1	1	1	1	5.1
	25	6	7	4	2	2	2	1	1	0	0	0	1	1.9
	26	10	10	6	5	4	6	1	1	2	1	1	1	3.1
	27	3	3	4	5	5	3	4	4	3	6	4	5	3.3
	28	5	5	4	2	2	3	9	9	8	10	4	1	4.0
	29	2	1	1	2	2	3	2	4	9	9	9	3	3.3
	30	3	7	7	10	9	9	8	9	9	9	10	10	5.8
Hourly Means.		5.6	5.3	5.1	5.1	5.4	5.9	5.9	6.5	6.0	6.4	5.6	4.9	5.34

DURATION OF SUNSHINE.

APRIL.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	0	0	1	1	4	0	0	7	1	0	0	0	0	0	0	0	0.9
2	9	10	10	10	10	10	10	4	7	7	8	6	10	10	8	10	8.7
3	8	8	10	10	9	9	8	10	8	6	6	8	10	10	7	0	7.9
4	0	4	6	8	8	10	9	10	10	7	8	8	10	6	7	3	7.1
5	10	10	10	10	10	10	1	3	9	10	4	9	3	0	0	0	6.2
6	8	10	10	10	9	9	10	9	7	9	10	10	10	10	10	10	9.3
7	10	10	10	9	10	10	10	10	5	5	8	10	9	10	9	4	8.7
8	0	0	0	0	0	0	3	7	4	2	0	0	2	0	0	0	1.1
9	8	9	8	8	9	9	7	9	10	6	8	10	7	6	0	0	7.1
10	8	4	4	7	7	8	6	4	6	3	9	9	10	8	9	3	6.6
11	9	10	10	10	8	9	10	10	6	0	4	7	10	10	8	10	8.2
12	8	9	9	7	8	8	4	1	0	8	6	8	9	9	9	7	6.9
13	10	10	10	10	9	10	9	9	9	9	8	8	9	10	10	10	9.4
14	10	10	10	10	10	10	10	10	9	9	7	9	9	10	10	10	9.6
15	10	10	10	10	10	10	10	10	9	6	9	10	10	10	9	9	9.5
16	0	2	3	6	5	1	1	0	6	6	7	8	9	8	10	9	5.1
17	0	1	5	6	6	4	4	1	0	0	5	5	7	2	4	2	3.3
18	1	1	2	1	4	1	0	0	0	3	7	7	1	6	4	4	2.6
19	10	10	10	6	5	8	8	6	6	8	6	8	10	10	10	10	8.2
20	10	10	10	10	10	10	10	9	5	1	8	4	0	0	7	5	6.8
21	10	10	10	10	10	10	8	5	9	9	9	8	10	9	9	9	9.1
22	6	3	10	8	9	10	10	9	7	7	7	6	1	1	1	2	6.1
23	10	10	9	10	7	7	0	4	6	9	10	10	10	10	10	10	8.3
24	2	1	5	3	7	6	7	1	4	4	8	3	8	9	10	10	5.5
25	6	10	10	10	10	10	10	9	6	7	6	7	0	9	10	10	8.1
26	10	10	7	1	0	1	3	6	7	7	10	6	1	1	8	10	5.5
27	10	10	8	9	10	10	10	10	10	9	9	10	9	4	7	9	9.0
28	10	10	10	10	10	8	1	3	10	8	9	9	10	10	10	10	8.6
29	10	10	10	9	9	9	8	9	8	10	10	10	10	10	10	10	9.5
30	10	10	2	1	3	4	5	2	8	10	10	8	10	9	4	0	6.0
Hourly Means.	7.1	7.4	7.6	7.3	7.5	7.4	6.4	6.2	6.4	6.2	7.2	7.4	7.1	6.9	7.0	6.2	6.96

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

APRIL.

Mean Batavia Time.	7^{h}30 A. M.	8	8^{h}30	9	9^{h}30	10	10^{h}30	11	11^{h}30	12	0 30 P. M.	1	1^{h}30	2	2^{h}30	3	3^{h}30	4	4^{h}30
1	27.7	30.4	32.8	39.4	41.2	44.6	47.8	40.9	42.5	49.2	41.7	36.4	36.1	38.5	38.9	38.4	36.9	38.9	33.4
2	36.9	44.2	45.6	48.4	49.6	50.8	51.2	53.2	52.7	55.2	53.2	53.5	49.6	51.4	51.9	46.9	49.0	46.9	43.4
3	34.4	43.0	47.2	49.9	50.6	52.6	51.7	50.3	54.1	54.6	53.9	49.9	54.7	55.4	54.9	49.9	42.4	—	26.4
4	26.9	29.9	32.2	45.9	47.2	49.4	53.3	53.3	52.6	54.9	55.2	47.8	55.9	55.4	53.6	49.0	50.6	32.4	30.5
5	38.0	43.9	45.7	50.3	50.2	51.4	50.3	41.4	38.9	52.4	55.7	49.9	48.1	50.2	—	—	—	—	24.9
6	28.0	37.6	45.4	48.4	49.9	50.9	51.9	53.4	52.9	45.5	48.4	50.9	51.2	49.4	51.9	50.4	48.4	47.0	39.4
7	32.3	44.4	46.2	49.8	48.7	51.9	50.2	49.0	51.4	50.4	39.9	44.4	53.4	52.0	50.5	49.3	44.7	40.2	39.7
8	25.4	27.4	28.8	30.5	32.5	36.9	42.2	43.5	50.4	48.8	43.4	37.2	34.2	42.4	42.4	34.9	36.3	41.2	34.3
9	28.6	37.2	43.1	48.6	43.2	47.7	49.5	45.4	48.9	52.4	53.3	48.4	53.1	50.6	50.7	37.9	37.4	—	—
10	34.2	39.4	39.1	35.9	44.7	51.9	47.8	53.9	41.7	41.5	45.7	52.2	52.7	53.6	52.2	49.9	48.9	45.4	39.9
11	27.4	41.2	45.7	47.9	50.2	50.4	44.1	51.6	52.2	55.4	41.3	48.9	42.6	51.9	51.4	51.4	48.4	46.4	40.3
12	36.9	43.4	44.7	46.6	50.6	52.6	51.1	50.4	40.5	36.8	35.6	47.6	49.9	50.9	51.9	49.8	49.4	42.4	43.0
13	35.9	42.9	45.8	48.7	50.2	51.4	51.5	52.5	51.3	51.8	52.2	52.3	50.4	50.4	48.9	49.4	47.9	45.0	42.9
14	36.1	42.9	45.6	48.9	49.6	50.9	51.4	52.0	52.5	53.2	52.4	54.4	50.6	52.8	52.1	50.5	48.7	45.4	42.9
15	33.5	42.0	45.6	47.9	49.2	50.5	52.1	52.9	52.2	52.0	50.8	48.4	47.6	51.7	51.8	49.5	47.0	42.9	39.8
16	27.1	30.4	32.8	37.6	42.7	45.5	43.1	42.1	41.2	42.6	50.2	45.6	51.6	51.9	49.6	48.0	49.4	45.5	43.2
17	25.6	28.6	30.6	38.9	41.6	46.4	50.8	41.5	42.6	36.6	35.4	38.4	45.4	48.6	47.7	39.5	44.8	36.6	35.2
18	27.9	31.4	34.2	38.7	40.6	45.4	46.2	33.7	32.7	36.6	39.3	51.1	51.1	45.4	41.9	44.8	39.9	41.0	37.2
19	26.6	41.8	45.5	48.4	49.5	45.9	46.1	53.8	52.7	50.3	53.1	51.6	54.7	49.0	52.5	50.3	48.8	45.7	43.1
20	37.4	42.9	44.8	49.9	51.3	51.9	52.3	51.9	52.9	46.9	40.9	50.8	51.4	—	—	40.9	46.8	35.9	33.6
21	34.8	41.1	45.5	50.4	50.2	52.4	52.2	50.8	44.7	51.9	51.5	50.4	50.8	52.9	53.4	49.9	50.4	46.9	42.9
22	33.4	41.4	39.3	46.8	49.6	49.0	51.8	52.6	54.1	51.6	47.9	50.9	51.7	48.2	45.3	41.1	37.2	37.6	32.4
23	27.3	36.9	41.7	46.1	48.1	49.3	45.4	40.6	39.7	47.9	46.0	53.0	52.9	51.6	49.2	48.4	46.6	42.9	36.4
24	27.9	36.4	37.1	43.6	46.9	51.6	49.9	48.6	43.5	38.4	47.6	51.4	53.0	48.5	47.7	49.4	46.4	43.8	36.9
25	33.0	40.9	42.2	49.4	50.3	50.5	51.6	52.4	52.8	46.4	48.2	50.0	46.4	37.4	39.2	49.1	47.9	44.4	37.6
26	34.2	43.2	44.7	46.5	39.2	38.4	42.6	41.9	47.1	45.4	50.2	43.4	53.6	25.9	40.4	48.4	46.0	45.4	40.4
27	32.1	40.4	42.4	46.9	47.6	51.6	52.0	52.4	52.0	52.9	53.0	49.6	51.6	54.2	52.0	47.8	48.4	47.2	37.4
28	32.6	42.0	45.2	49.5	50.3	52.9	53.9	45.3	37.4	53.0	55.6	53.6	54.4	52.5	52.0	48.2	48.1	42.9	35.4
29	33.7	43.4	45.6	48.6	49.6	50.4	53.6	52.9	53.1	53.9	53.2	54.4	53.5	51.9	51.4	50.4	49.5	45.3	36.8
30	33.1	42.4	46.0	47.4	38.2	45.4	41.4	45.9	41.3	50.4	54.1	54.8	55.5	54.6	54.8	48.9	38.3	30.2	30.3
Means.	31.63	39.10	41.70	45.86	46.78	49.02	49.30	48.34	47.42	48.63	48.30	49.04	50.26	49.28	49.29	46.98	45.67	42.42	37.23

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ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	24.0	19.7	14.4	14.4	8.6	4.8	15.4	8.6	7 7	6.0	3.4	3.4	—
	2	14.6	16.8	9.5	8.6	19.4	13.3	15.5	11.2	4.3	5.6	2.6	2.2	—
	3	9.5	8.6	17.6	12.9	17.6	18.5	18.1	4.7	4.3	3 4	3.4	2.2	—
	4	14.6	8.2	7.3	7.7	8.2	6.0	10.3	11.6	6.0	1.7	3.4	3.0	—
	5	14.2	10.3	10.3	7.3	6.0	8.6	17.2	10.8	7 7	3.9	3.4	3.0	—
	6	31.8	23.7	16.8	14.2	12.5	10.3	18.1	15.1	6.5	3.4	2.6	2.6	—
	7	15.1	12.9	10.3	6.9	6.9	8.2	8.2	8.6	5.6	3.9	3.9	3.0	—
	8	11.2	6.9	3.9	2.6	2.6	4.7	8.6	0.0	6.5	5.6	1.3	3.0	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	21.9	17.2	17.6	15.5	20.6	15.5	16.8	15.1	10.3	3.4	3.0	3.9	—
	12	14.6	17.2	14.2	11.2	11.2	9.5	18.9	8.6	6.0	3.9	3.4	3.9	—
	13	20.6	18.1	17.2	12.5	16.8	17.2	14 6	8.6	2.6	3.4	2.6	1.3	—
	14	12.0	12.5	9.9	11.2	10.3	10.3	9.0	6.5	3.4	2.6	3.4	3.0	—
	15	11.2	30.1	21.5	1.7	4.3	11.6	8.6	8.6	8.6	3.9	4.3	4.3	—
	16	12.9	13.3	12.5	9.5	9.5	15.5	11.6	12.0	14.6	6.9	5 2	5.6	—
	17	12.5	21.1	11.6	9.5	17.2	8.2	— 6.9	9.0	7.3	5.2	4.3	3.4	—
	18	12.9	13.8	15.5	11 2	12.0	15.5	23.2	18.5	7.3	9.9	30.1	— 12.9	—
	19	14.6	17.2	13.8	13.3	11.2	18.5	21.1	17.6	6.5	4.7	4.7	3.9	—
	20	9.0	8.2	6.9	13.3	13.3	18.1	28.4	11.2	6.0	2.2	2.2	2.2	—
	21	7.3	9.9	10.3	13.3	20.2	14 6	17.6	15.9	8.6	3.9	3.0	2.2	—
	22	20.6	29.2	23.7	32.7	24.1	16.3	18.1	12.9	11.2	2.6	3.9	4.3	—
	23	23.2	20.6	33.1	30.1	17.6	18.9	15.9	9.9	4.3	3.0	3.0	3.9	—
	24	15.5	12.9	16.3	10.3	10.3	10.8	17.2	8.6	5.2	4.7	3.9	3.9	—
	25	25 8	25.8	33.5	32.7	32.3	8.6	27.1	14.6	8.2	5.2	5.6	2.2	—
	26	15.9	17.2	19.4	16.3	11.2	11.2	11.6	9 0	5.2	2.2	1.7	0.4	—
	27	21.5	21.5	23.2	21.5	16.3	17.2	19.4	9 9	6.0	1.3	1.3	0.4	—
	28	10.3	9.5	10.8	8.6	7.3	10.8	8.6	4.7	2.2	— 1.3	0.9	— 3.0	—
	29	7.7	7.3	7.7	6.0	5.6	7.7	6.9	5.6	6.5	1.3	2.6	0.9	—
	30	11.6	9.5	11.6	11.6	7.7	6.9	7.3	5.6	3.0	1.7	1.7	0.0	—
Hourly Means.		15.6	15.7	15.0	13.1	12.9	12.0	14.5	10.1	6.5	3.7	4.1	2 0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	6.0	5.2	5.2	5.6	5.2	7.7	6.5	13.3	10.8	9.9	12.9	14.6	9 7
	2	0.9	3.4	3.0	3.0	5.6	8.6	15.9	18.5	18.1	15.9	28.8	3.9	10.4
	3	2.6	1.3	0.0	P N	P N	P N	P N	P N	14.6	15.9	14.2	20.2	10.0
	4	3.9	3.9	— 2.2	— 10.8	P	P	18.9	24.1	21.1	21.1	20.6	18.9	9.4
	5	2.2	12.9	P N	P N	N P	10.8	18.1	21.5	19.4	20.2	29.2	P	11.9
	6	3.0	3.0	3.0	3.4	4.3	4.7	7.3	8.2	18.5	22 4	20.6	20.2	11.5
	7	1.7	2.2	1.7	2.2	2.6	4.3	9.5	16.3	12.0	15.5	12.5	15.1	7.9
	8	2.6	2.6	2.2	4.3	4.3	11.2	5.2	6.9	5.2	7.3	— 6.9	— 0.4	4.2
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	3.9	3.9	5.2	6.0	P N	P N	P N	P N	8.2	12.9	17.2	17.6	9.4
	11	3.9	4.3	3.4	3 9	5.6	6.5	12.5	14.6	17.2	25.4	28.8	18.9	12.7
	12	2.6	2.2	3.0	3.9	4.7	6.0	12.5	14.6	19.4	21.5	22.4	20.6	10.7
	13	2.2	2.2	1.7	3.4	3.9	6.9	9.5	12.9	17.2	20.6	19.4	13.3	10.4
	14	2.6	3.0	2.6	3.0	2.2	6.9	— 8.6	31.0	9.0	7.3	7.7	8.6	7.1
	15	4.7	4.3	4.7	5 2	6 0	10.3	14.6	18.1	16.8	16.3	17.2	18.9	10.7
	16	3.0	4.3	5.6	5.6	5.2	12.0	11.2	17.2	3.0	N	N	15.9	9.6
	17	3.4	3.9	5.2	6.0	9.0	13.3	15.9	19.4	13.3	12.5	6.5	12.9	9.3
	18	5.6	3.4	6.0	3.4	4.3	11.2	14.6	16.8	2.6	13.8	17.6	21.1	11.6
	18	4.3	4.7	4.7	4.3	5.6	3.9	— 11.6	— 1.7	24.9	10.3	8.6	11 6	9.0
	20	2.2	P N	P N	P	9.0	13.3	22.4	P N	P N	8.2	8.6	8.2	10.2
	21	3.9	2.2	1.3	— 0.4	— 0.9	P N	P N	P N	P N	19.4	15.1	15.1	9.1
	22	7.3	5.6	3.9	N	17.6	22.8	17.2	6.9	N	1.3	6.5	13.8	13.8
	23	4.3	3.9	5.2	6.9	14.6	P N	P N	5.6	7.3	9.5	11.2	12.9	12.0
	24	2.6	3.4	3.0	4.7	5.2	7.3	12.9	20.6	26.7	25.4	18.9	20.6	11.3
	25	P N	P N	4.3	3.4	4.3	7.3	12.0	13.8	21.5	21.5	22.4	16.3	15.8
	26	1.7	N	1.7	1.7	3.0	4.3	7.7	8.6	15.1	18.9	17.2	24.9	9.8
	27	1.7	1.3	2.6	2.2	4.7	4.3	11.6	19.4	8.2	6.9	6.9	6.9	9.8
	28	1.3	— 0.9	0.9	0.4	5.2	1.7	4.3	12.5	6.5	4.7	6.5	7.3	5.0
	29	1.7	1.7	1.3	1.3	3.0	3 9	8.2	11.2	15.9	15.5	12.9	15.9	6.6
	30	3.0	N	P N	P	P	P	— 12.0	0.0	4.7	6.5	10.3	7.7	5.2
Hourly Means.		3.2	3.5	3.0	3.0	5.6	8.2	9.5	14.0	13.7	14.5	14.8	14.3	9.69

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	7.69	6.84	6.47	6.00	6.50	7.16	7.96	8.49	8.94	8.66	8.12	7.53	—
	2	7.05	6.78	6.44	6.35	6.56	6.69	7.15	7.63	7.85	7.69	7.15	6.51	—
	3	6.23	5.79	5.55	5.46	5.71	5.99	6.61	7.00	7.33	7.35	7.08	6.45	—
	4	7.13	6.80	6.40	6.75	6.98	6.95	7.70	8.33	8.59	8.69	8.28	7.62	—
	5	7.99	7.52	7.30	7.38	7.40	7.71	8.13	8.75	8.79	8.88	8.75	7.91	—
	6	8.11	7.59	7.27	7.14	7.15	7.59	8.20	8.64	8.64	8.41	7.97	7.36	—
	7	6.40	6.22	6.08	6.24	6.44	6.64	7.35	7.50	7.98	8.01	7.52	7.22	—
	8	7.75	7.20	7.23	6.99	7.58	8.23	8.88	9.20	9.11	8.30	7.89	7.34	—
	9	7.99	8.05	7.91	8.10	8.00	8.85	9.00	9.59	9.79	9.67	9.10	8.61	—
	10	9.21	8.73	8.34	8.42	8.39	8.61	8.65	9.55	9.69	9.6	9.39	8.72	—
	11	9.16	8.59	8.76	8.62	8.66	8.92	9.05	9.34	9.56	9.44	9.16	8.52	—
	12	8.58	8.24	8.15	8.01	8.42	9.12	9.26	9.85	10.36	9.79	9.13	8.55	—
	13	9.71	9.42	9.15	9.11	9.27	9.54	9.95	10.59	10.76	10.40	9.95	9.46	—
	14	10.05	9.70	9.42	9.30	9.47	9.95	10.43	10.76	10.70	10.38	9.76	8.78	—
	15	8.83	8.69	8.42	8.25	8.28	8.54	8.95	9.70	9.92	9.94	9.76	8.87	—
	16	8.49	8.09	7.65	7.44	7.39	7.55	8.33	8.81	8.96	8.86	8.42	7.78	—
	17	7.86	7.38	6.94	6.84	7.05	7.35	7.97	8.31	8.64	8.59	8.47	7.70	—
	18	8.58	8.03	7.28	7.04	7.39	7.91	8.61	9.29	9.70	9.40	9.02	8.15	—
	19	8.59	8.00	8.17	8.31	8.52	8.64	8.55	9.24	9.65	9.68	9.71	9.19	—
	20	9.11	8.73	8.49	8.21	8.10	8.87	8.87	9.21	9.50	9.34	9.37	8.64	—
	21	9.18	8.74	8.14	7.64	7.67	8.01	8.02	8.52	8.76	8.74	8.64	7.98	—
	22	7.59	7.35	7.03	7.15	7.59	7.71	8.19	8.57	8.95	9.15	8.68	8.34	—
	23	8.80	8.07	7.73	7.75	8.04	8.45	9.09	9.99	10.26	9.81	8.49	8.24	—
	24	9.19	8.65	8.67	8.59	8.71	8.72	8.67	9.10	9.08	9.00	8.43	7.97	—
	25	8.03	7.76	7.49	7.57	7.80	8.34	8.25	8.50	8.68	8.46	7.99	7.45	—
	26	8.55	8.18	8.05	7.95	8.36	8.48	8.76	9.19	9.44	9.25	8.85	8.37	—
	27	9.01	8.66	8.38	8.19	8.56	9.04	9.43	9.78	9.89	9.69	9.19	8.58	—
	28	8.88	8.54	8.29	8.21	8.39	8.70	9.24	9.78	9.89	9.73	9.18	8.54	—
	29	9.04	8.76	8.60	8.91	9.24	9.30	9.75	10.13	10.04	9.98	9.38	8.89	—
	30	8.59	7.95	7.72	7.83	8.06	8.59	9.31	9.64	9.73	9.48	8.90	8.25	—
	31	8.33	7.98	7.69	7.60	7.59	7.65	7.91	8.61	8.74	8.54	8.18	7.45	—
Hourly Means.		8.38	7.97	7.71	7.66	7.85	8.19	8.59	9.08	9.29	9.13	8.71	8.10	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	7.06	6.12	5.61	5.80	5.92	6.38	6.95	7.38	7.68	7.99	7.88	7.53	7.18
	2	5.85	5.32	4.91	4.96	5.20	5.51	6.45	6.71	6.92	7.05	7.03	6.62	6.52
	3	5.48	5.25	4.87	4.73	5.06	5.47	5.93	6.73	7.31	7.45	7.53	7.52	6.25
	4	7.19	6.48	5.92	5.86	6.13	6.63	7.47	8.08	8.53	8.79	8.86	8.53	7.45
	5	7.44	6.56	6.35	6.36	6.67	7.12	7.76	8.15	8.82	8.95	8.96	8.45	7.84
	6	7.06	6.41	5.77	5.93	6.12	6.17	6.70	6.89	7.11	7.00	6.76	6.74	7.20
	7	6.73	5.86	5.26	5.43	5.86	6.21	6.31	6.77	7.40	7.41	7.78	7.88	6.77
	8	7.21	6.85	6.49	6.42	6.68	7.32	7.65	8.25	8.79	8.82	8.84	8.66	7.82
	9	7.72	7.48	7.08	6.94	7.41	7.75	8.67	9.06	9.38	9.45	9.51	9.41	8.52
	10	8.05	7.66	7.73	7.85	8.30	8.39	8.63	9.30	9.72	9.60	9.79	9.55	8.83
	11	7.97	6.77	6.51	6.86	7.50	8.02	8.65	9.13	9.34	9.59	9.50	9.23	8.62
	12	8.03	7.37	6.96	7.02	7.19	7.99	8.65	9.38	9.78	10.03	9.80	9.84	8.73
	13	8.76	8.16	7.52	7.67	7.68	7.88	8.56	9.60	10.16	10.21	10.53	10.39	9.35
	14	8.02	7.27	6.73	6.83	7.23	7.57	8.45	8.87	9.36	9.52	9.39	9.34	9.05
	15	8.36	7.64	6.76	6.83	7.06	7.29	7.99	8.37	8.75	8.98	9.00	8.78	8.50
	16	7.16	6.32	6.12	5.91	6.34	6.75	7.74	8.89	9.06	9.14	8.89	8.39	7.85
	17	7.48	6.94	6.45	6.47	6.87	7.60	8.46	9.15	9.60	9.50	9.16	8.96	7.91
	18	7.56	7.05	6.54	6.89	6.79	7.53	8.18	8.73	8.93	9.58	9.55	9.21	8.21
	19	8.47	8.19	7.53	6.99	7.56	7.85	8.34	8.99	9.64	9.92	10.19	10.10	8.75
	20	7.98	7.64	7.09	7.19	7.68	8.10	8.13	8.88	9.02	9.05	8.94	9.21	8.56
	21	7.37	7.15	7.28	7.03	7.45	7.84	7.99	8.25	8.61	8.50	8.40	7.93	8.08
	22	7.57	6.70	6.68	6.63	6.82	7.23	7.69	8.45	8.63	9.06	9.41	9.13	7.93
	23	7.80	7.05	6.75	6.86	7.13	7.53	7.84	8.68	9.17	9.56	9.34	9.26	8.40
	24	7.30	6.48	6.16	6.06	6.11	6.42	7.40	7.91	8.60	8.72	8.79	8.50	8.05
	25	6.96	6.71	6.60	6.63	6.76	7.18	7.48	8.41	8.97	9.06	9.15	8.98	7.88
	26	7.85	7.27	6.82	6.90	7.03	7.50	7.97	8.50	8.93	9.33	9.33	9.24	8.34
	27	8.18	7.42	6.96	6.83	7.15	7.42	8.13	8.74	9.30	9.55	9.43	9.10	8.61
	28	7.92	7.26	6.95	6.86	7.33	7.66	8.19	8.77	8.95	9.45	9.38	9.15	8.55
	29	8.11	7.42	6.97	6.97	7.45	7.69	8.45	8.98	9.23	9.07	8.91	8.96	8.76
	30	7.66	7.02	6.67	6.45	6.57	7.52	7.91	8.29	8.78	9.27	8.80	8.51	8.23
	31	6.78	6.36	5.86	5.88	6.13	6.67	7.44	7.99	8.58	8.75	8.93	8.96	7.69
Hourly Means.		7.52	6.91	6.51	6.52	6.81	7.23	7.81	8.40	8.81	8.98	8.96	8.78	8.08

STANDARD THERMOMETER.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	76.8	76.3	76.0	75.4	75.0	74.8	75.2	76.7	79.3	82.0	83.8	84.9	—
	2	76.7	75.9	75.9	75.9	75.7	75.3	75.5	77.0	78.6	80.2	83.4	85.0	—
	3	76.0	75.7	75.2	75.0	74.8	74.2	74.6	75.8	77.4	80.6	81.3	82.3	—
	4	76.1	76.0	75 5	75.1	74.5	74.0	75.1	78.6	80.4	84.2	86.0	85.5	—
	5	76.4	76.4	76.1	75.7	75.4	75.1	75.7	77.3	79.7	81.5	82.6	83.5	—
	6	78.0	77.4	77.0	76.2	76.0	75.4	75.7	78.7	81.1	82 5	84.3	86.0	—
	7	76.6	76 7	76.3	76.3	76.0	76.1	76.5	76.7	78.0	81 0	84.1	82.9	—
	8	77.0	76.8	76.4	75.9	75.5	75.6	72.8	72.8	73.6	75.7	77.4	79.2	—
	9	76.5	76.1	75.8	75.4	75.4	75.2	75.6	76.9	79.1	82.0	84.1	86.2	—
	10	78.1	77.8	77.2	76.9	76.5	76.0	76.5	78.8	81.7	84.3	86.0	87.0	—
	11	74 6	74.0	73.8	73.2	72.9	72.5	72.9	75.3	78.4	81.4	84.2	85.9	—
	12	74.9	74.4	74.0	74.0	73.7	73.5	74.1	76.0	78.5	81.2	82.6	85.0	—
	13	74.1	73.8	73.3	72.8	72.6	72.4	72.7	75.0	78.6	81.3	83.2	85.0	—
	14	74.5	74.5	74.0	73.3	72.5	72.0	72.8	75.1	79.1	82.0	84 6	86.2	—
	15	77.2	77.0	76.5	76.4	76.0	75.6	75.7	77.0	79.2	80.6	82.0	84.5	—
	16	78.0	78.0	77.2	76.2	76.0	75.0	75.4	77.4	80.0	82.7	84.5	85.5	—
	17	74.4	74.4	74.2	74.0	73.8	73.6	74.2	76.3	79.0	82.3	84.2	84.2	—
	18	75.3	75.0	74.6	74.4	74.4	74.2	75.0	76.6	78.2	79.0	79.6	79.8	—
	19	75.0	74.6	74.2	73.6	73.6	73.2	73.7	75.9	80.0	82.3	82.4	81.4	—
	20	77.0	76.8	76.2	75.7	75.3	75.1	75.0	75.7	80.9	83.0	84.7	86.0	—
	21	75.1	75.1	75.1	74.7	74.2	73.9	74.2	76.6	79.4	80.4	83.2	83.8	—
	22	76.3	76.1	75.7	75.0	74.7	74.3	75.0	76.1	79.4	81.5	83.0	84.4	—
	23	77 6	77.0	76.4	76.0	75.4	75.3	75.5	75.7	76.1	76.1	75.2	77.7	—
	24	75.1	74.9	74.6	74.4	73.8	73.7	74.4	77.0	80.5	83.1	85.5	86.6	—
	25	78.2	77.3	77.0	76.4	76.0	75.4	75.9	78.0	81.0	83.1	85.5	87.1	—
	26	77.0	76.6	76.0	75.6	75.0	74.2	74.5	76.8	79.4	82 2	84.9	86.3	—
	27	76.3	76.3	75.9	75.4	75.0	74.5	75.0	76.9	79.5	81.7	85.0	87.2	—
	28	76.9	76.0	75.6	75.0	74.5	74.1	74.7	77.3	80.7	83.1	84.4	86.0	—
	29	76.1	75.5	75.0	74.7	74.5	74.2	74.9	77.6	80.8	83.4	83.6	83.1	—
	30	77.0	76.6	76.8	76.2	75.6	75.2	76.0	77.0	78.5	80.8	83.4	84.7	—
	31	76.2	76.0	75.8	75.6	75.4	74.8	75.0	76.1	78.2	81.9	84.3	85.2	—
	Hourly Means.	76.29	75.97	75.59	75.17	74.83	74.46	74.83	76.60	79.17	81.52	83.32	84.45	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	85.6	85.0	86.1	85.0	84.2	83.0	81.7	80 6	79.2	78.3	77.5	77.3	79.99
	2	87.0	87.1	85.4	84.2	83.4	82.7	81.1	80.0	78.6	77.2	76.6	76.2	79.78
	3	84.0	83.0	83.2	83.8	82.3	81.4	80.2	79.2	78.4	78.0	77.2	76.7	78.76
	4	84.7	83.8	84.6	84.1	83.5	82.6	81.5	80.1	79.3	78.8	77.7	77.1	79.95
	5	84.2	84.4	84.1	83.8	83.0	82.1	80.8	80.1	79.3	79.0	78.4	78.0	79.69
	6	85.0	83.0	83.5	82.0	80.5	80.1	79.8	79.1	78.5	78.0	77.6	76.8	79.68
	7	82.2	83.6	85.0	84.6	83.0	81.8	80.5	80.0	79.5	78.5	78.0	77.6	79.65
	8	81.4	81.6	82.3	83.0	82.4	81.0	79.4	78.6	77.9	77.5	77.5	77.1	77.85
	9	87.0	83.7	83.2	84.0	84 2	83.2	82.2	82.0	81.2	70.4	79.0	78.0	80.27
	10	87.2	85.6	83.6	79.5	78.4	77.3	76.8	76.5	76.1	75.7	75.3	75.0	79.33
	11	87.0	87.0	86.0	83.1	78.8	77.0	76.6	76.4	76.4	76.0	75.5	75.1	78.08
	12	85.5	87 3	86.1	84.1	79.4	79.2	78.7	78.7	77.5	76.0	75.1	74.7	78.51
	13	86.0	86.5	86.0	85.0	83.8	82.4	81.0	79.8	78.8	77.6	76.0	75.2	78.87
	14	86.1	86.9	86.9	86.1	84.0	82.8	82.8	82.2	80.2	79.4	78.4	77.6	79.75
	15	83.3	83.9	83.5	83.0	82.0	81.3	80.7	80.1	79.3	79.1	78.3	78.3	79.60
	16	85.8	86.4	84.1	83.9	83.0	82.0	81.1	78.0	74 4	74.4	74.6	74.6	79.51
	17	82.0	80.0	79.8	80.6	80.6	78.9	77.5	75.9	75.5	75.1	75.6	75.1	77.55
	18	79.9	81.5	83.2	83.2	81.5	80.0	78.8	78.2	77.2	76.6	75.9	75.3	77.81
	19	81.3	81.9	83.0	83.5	82.7	81.6	80.0	79.0	78.4	78.0	77.8	77.4	78.52
	20	83.3	81.5	81.9	80.3	80.5	79.9	78.6	77.1	76.3	75 7	75.4	75.1	78.63
	21	84.7	84.0	84.9	83.9	83.0	82.1	80.5	80.1	78.5	77.5	77.1	77.0	79.13
	22	85.0	86.0	84.8	84.7	83.9	82.7	81.5	80.5	79.5	78.6	78.0	77.6	79.76
	23	79.0	80.8	83.1	81.6	81.0	80.0	79.0	78.1	77.3	76.6	76.0	75.4	77.58
	24	87.2	88.0	87.3	86.7	85.0	83.3	82.0	80.5	79.9	80.3	79.9	79.5	80.55
	25	88 0	88.2	87.0	85.8	85.0	83.2	82.0	80.7	79.5	78.2	77.8	77.2	80.98
	26	87.0	86.4	85.3	84.5	83.1	81.6	80.2	79.0	78.0	76.7	76.5	76.3	79.71
	27	87.0	86.3	86.2	86.2	85.2	83.4	82.0	81.2	79.7	78 2	77.5	76.9	80.35
	28	85.0	86.5	86.1	85.0	84.0	82.5	80.8	79.0	78.2	77.8	77.4	76.8	79.89
	29	86.0	85 5	85.5	85.0	84.2	83.0	82.6	81.8	70.0	78.8	78.0	77.5	80 05
	30	84.7	86.0	85.4	84.4	83.9	82.6	82 0	81.0	79.8	78.3	77.2	76 8	80.00
	31	85.5	84.0	83.9	83.5	83.0	82 1	81.4	80.2	79.4	78.7	77.4	77.0	79.61
	Hourly Means.	84.76	84.69	84.55	83.81	82.66	81.51	80.45	79.47	78.45	77.71	77.10	76.65	79.33

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	899	915	915	931	939	939	947	916	840	737	680	645	—
	2	866	889	881	872	872	880	898	874	837	782	692	632	—
	3	906	923	947	947	930	921	913	889	867	827	806	744	—
	4	940	948	948	947	939	947	914	838	819	682	636	699	—
	5	924	915	940	940	948	956	957	892	848	807	766	734	—
	6	925	924	932	948	931	939	923	878	828	780	682	694	—
	7	948	940	948	948	957	948	940	966	942	865	777	738	—
	8	949	948	940	948	957	948	964	946	947	881	844	750	—
	9	932	940	948	957	957	957	957	949	878	793	729	708	—
	10	925	933	932	940	940	940	915	847	771	689	669	685	—
	11	939	956	938	946	946	946	929	889	792	728	656	668	—
	12	939	956	965	956	956	946	947	915	869	799	780	703	—
	13	938	938	955	955	964	955	937	897	838	763	725	659	—
	14	930	930	938	929	910	909	876	872	802	708	643	606	—
	15	916	924	932	932	948	948	957	916	863	820	772	723	—
	16	892	900	916	948	923	939	939	884	811	724	682	672	—
	17	965	965	965	973	965	965	956	948	886	773	728	728	—
	18	966	965	973	973	973	982	974	940	877	863	855	795	—
	19	965	965	965	965	956	955	929	881	818	731	702	799	—
	20	916	916	940	948	947	956	947	948	813	747	703	656	—
	21	939	939	939	930	947	947	938	866	809	804	739	741	—
	22	948	948	940	947	939	956	956	915	870	791	753	716	—
	23	941	941	940	940	948	948	948	940	931	890	914	836	—
	24	947	956	956	956	956	965	947	900	768	725	679	644	—
	25	925	924	924	932	940	939	940	885	784	712	673	568	—
	26	907	906	923	923	939	921	913	858	809	701	600	540	—
	27	899	899	915	914	922	930	913	874	816	756	670	621	—
	28	916	940	931	939	939	921	913	875	769	698	676	593	—
	29	940	948	947	939	939	947	930	876	805	740	734	760	—
	30	907	924	924	940	948	956	948	916	877	798	719	696	—
	31	915	915	923	931	922	922	914	899	877	757	688	666	—
Hourly Means.		928	933	938	942	942	943	935	900	841	770	722	691	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	661	684	624	645	701	767	763	804	839	853	875	875	808
	2	622	634	718	756	767	794	790	810	869	900	882	890	809
	3	721	697	704	713	786	836	864	894	917	925	941	940	857
	4	751	755	757	749	782	808	843	887	918	918	908	907	843
	5	722	696	756	741	767	800	865	895	909	909	908	925	855
	6	703	788	761	844	865	841	855	902	918	933	941	948	862
	7	736	726	670	708	746	807	849	879	918	918	933	941	865
	8	756	749	709	731	765	812	855	869	876	907	907	924	870
	9	641	761	760	790	797	846	882	874	889	911	909	933	862
	10	654	719	782	794	868	900	932	932	931	931	939	939	854
	11	653	653	694	760	885	924	924	932	923	915	931	947	853
	12	699	647	694	777	854	902	918	918	925	940	922	922	869
	13	700	690	706	730	776	830	873	903	909	867	881	905	846
	14	642	633	633	655	680	724	723	772	834	824	876	900	790
	15	760	727	740	746	764	806	811	855	894	902	917	901	853
	16	661	656	741	734	774	807	850	917	939	947	965	956	841
	17	777	848	894	857	865	893	966	957	966	966	966	974	906
	18	773	762	725	767	791	833	846	868	900	924	948	947	884
	19	784	750	753	726	780	829	894	909	926	925	933	932	866
	20	747	784	800	796	842	855	893	916	906	915	931	939	865
	21	709	749	717	734	774	829	834	887	918	925	941	940	854
	22	665	655	709	709	734	765	798	841	886	908	925	925	842
	23	808	789	739	792	813	879	902	917	932	948	948	947	897
	24	641	614	692	657	684	775	815	865	895	887	903	918	823
	25	614	573	659	681	665	732	785	849	863	901	900	907	803
	26	573	600	653	675	703	741	752	815	867	882	890	899	791
	27	597	599	606	649	659	740	778	813	870	925	925	916	800
	28	697	663	675	703	721	759	826	877	901	900	900	916	819
	29	675	667	621	651	694	745	779	836	879	877	892	907	822
	30	730	707	726	722	700	794	822	850	886	925	924	916	844
	31	647	707	700	699	732	764	799	841	855	885	875	883	822
Hourly Means.		694	699	713	732	766	811	841	874	899	909	917	923	844

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12
MAY.	1	C	C	C	C	SSW	C	C	SSW	SSW	WSW	NW	NW
	2	SW	SW	SW	C	SW	SW	C	C	W	W	NNE	E
	3	C	SE	SE	SE	SE	SSE	SSE	SSE	SSE	SE	ENE	N
	4	C	NNE	NNE	NNE	C	NNE	NNE	SE	SE	ENE	NE	NE
	5	NNE	NNE	NNE	C	C	C	C	NNE	SSE	S	W	NNW
	6	C	C	C	C	NNE	NNE	NNE	NE	S	SSW	W	N
	7	E	E	E	E	SE	S	S	C	SE	S	E	NE
	8	C	C	C	C	ENE	N	SSW	SSW	SSW	SSW	ESE	E
	9	C	N	C	C	C	C	C	C	N	E	ENE	ENE
	10	SSE	C	C	C	C	SSE	S	C	E	E	ENE	NW
	11	C	C	C	SSW	C	C	SSW	SSW	SSW	SE	S	ENE
	12	C	C	C	C	C	C	C	SSE	S	ENE	S	S
	13	C	C	C	C	C	C	ENE	SE	SE	SW	SW	N
	14	C	C	C	WSW	WSW	WSW	WSW	WSW	SW	SW	SSW	SSE
	15	SE	C	C	C	C	SE	SE	E	ESE	E	ESE	ESE
	16	ESE	C	C	C	ESE	C	ESE	C	SW	SE	E	E
	17	NW	WNW	C	C	WNW	WNW	WNW	WNW	NE	ESE	NE	NE
	18	S	S	S	S	C	C	C	S	SSE	E	E	E
	19	C	C	C	SE	SE	SE	SE	SE	ESE	ESE	SE	E
	20	E	ESE	ESE	C	C	C	C	ESE	SE	E	E	ENE
	21	S	S	S	C	C	C	C	S	E	E	E	E
	22	C	SE	C	C	C	SE	SE	SE	SE	E	E	ENE
	23	C	C	NE	C	C	NE	NE	ENE	E	SE	S	E
	24	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	SE	SE	E	E
	25	ENE	ENE	ENE	C	C	ENE	E	S	S	SSW	SE	E
	26	C	C	C	C	C	C	C	SSW	SW	SSW	E	E
	27	C	C	C	C	C	C	NE	SSE	SSE	S	ENE	E
	28	C	NE	NE	NE	NE	NE	NE	E	SE	E	NE	NE
	29	C	C	C	C	C	NNE	NNE	C	E	E	NE	NW
	30	C	C	NE	C	C	NE	C	C	NE	ENE	NE	NE
	31	S	S	S	S	S	S	S	C	S	E	ENE	NE

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12
MAY.	1	WNW	NW	NW	WNW	WNW	C	SW	SW	SW	C	C	C
	2	SSW	ENE	NNE	NNE	N	N	SE	SE	SE	SE	SE	SE
	3	NE	NNE	NNE	NE	NNE	C	C	C	C	C	C	NNE
	4	N	N	NE	N	NNE	NNE	C	C	C	NNE	NNE	C
	5	NNW	WNW	NNE	N	NE	NNE	C	C	C	NNE	NNE	C
	6	NNE	NE	NE	S	S	E	E	E	E	E	E	E
	7	ENE	ENE	ENE	ENE	ENE	ENE	C	ENE	C	C	C	C
	8	ENE	C	N	N	N	N	N	N	N	N	C	C
	9	NE	ENE	NE	NE	NE	NNE	NNE	NE	NE	ESE	SSE	SSE
	10	NNE	NW	WNW	SW	SSW	SSW	SSW	SSW	C	C	C	C
	11	ENE	NE	NE	N	SW	SW	SW	SSW	SSE	SSE	SSE	C
	12	WNW	NW	N	N	N	N	C	NNW	NE	E	E	E
	13	N	N	N	NNE	NNW	N	C	N	N	C	WSW	C
	14	E	NNE	N	NNE	N	N	NNW	NNW	E	ESE	ESE	SE
	15	ENE	ENE	ENE	NE	E	ENE	ENE	ENE	C	C	ENE	ESE
	16	ENE	NNE	N	NNE	N	NE	NE	S	NW	NW	C	NW
	17	N	E	E	NE	NE	N	NNW	S	S	S	S	S
	18	E	ENE	E	E	ESE	ESE	ESE	C	C	C	C	C
	19	ESE	E	E	E	E	E	C	C	C	C	E	E
	20	NE	ENE	NE	NE	NE	E	E	S	S	C	C	C
	21	NE	NE	NE	NE	ENE	NE	NE	ENE	SE	SE	C	C
	22	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	C
	23	NE	NE	ENE	N	NNE	C	C	C	C	C	NNE	NNE
	24	ENE	NE	NNE	NE	NE	NE	C	C	NE	C	C	NE
	25	ENE	NE	NNE	N	NE	NE	C	C	C	C	C	C
	26	SE	N	NNE	NNE	NE	C	C	C	C	C	C	C
	27	ENE	NE	NE	ENE	E	NE	NE	NE	C	NE	C	C
	28	NE	NE	NE	NNE	NE	NNE	C	C	C	C	C	C
	29	NNE	NNE	NNE	NE	NE	NNE	NNE	NNE	NE	NE	NE	NE
	30	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	ENE	S	S
	31	E	NNE	NE	NE	NE	NE	NE	NE	NE	NE	SSE	S

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.6	2.4	3.2	3.2	4.8	—
	2	0.8	1.6	0.8	0.0	0.8	0.8	0.0	0.0	1.6	2.4	6.4	6.4	—
	3	0.0	0.8	1.6	0.8	2.4	2.4	2.4	1.6	1.6	4.8	6.4	5.6	—
	4	0.0	0.8	0.8	0.8	0.0	0.8	1.6	4.8	7.2	12.9	12.1	9.7	—
	5	0.8	1.6	0.8	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	1.6	—
	6	0.0	0.0	0.0	0.0	0.8	2.4	3.2	3.2	3.2	2.4	4.0	11.3	—
	7	0.8	0.8	0.8	0.8	4.8	4.8	1.6	0.0	3.2	4.0	6.4	16.1	—
	8	0.0	0.0	0.0	0.0	0.8	4.0	7.2	0.8	0.8	4.0	4.8	6.4	—
	9	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	7.2	9.7	—
	10	0.8	0.0	0.0	0.0	0.0	4.0	2.4	0.0	3.2	8.0	8.0	7.2	—
	11	0.0	0.0	0.0	1.6	0.0	0.0	1.6	3.2	4.8	4.8	6.4	8.0	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	4.0	4.0	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6	3.2	4.8	—
	14	0.0	0.0	0.0	1.6	0.8	3.2	3.2	0.8	2.4	4.0	4.8	4.8	—
	15	0.8	0.0	0.0	0.0	0.0	0.8	1.6	6.4	9.7	8.0	8.9	12.1	—
	16	1.6	0.0	0.0	0.0	0.8	0.0	0.8	0.0	1.6	3.2	7.2	8.9	—
	17	0.8	0.8	0.0	0.0	0.8	0.8	0.8	1.6	4.0	7.2	10.5	9.7	—
	18	0.8	1.6	3.2	1.6	0.0	0.0	0.0	1.6	4.0	6.4	10.5	12.1	—
	19	0.0	0.0	0.0	0.8	0.8	2.4	3.2	5.6	12.9	16.1	13.7	12.1	—
	20	3.2	0.8	0.8	0.0	0.0	0.0	0.0	1.6	6.4	10.5	9.7	10.5	—
	21	0.8	1.6	0.8	0.0	0.0	0.0	0.0	1.6	4.0	4.8	7.2	7.2	—
	22	0.0	0.8	0.0	0.0	0.0	0.8	1.6	3.2	6.4	6.4	8.0	8.9	—
	23	0.0	0.0	0.8	0.0	0.0	0.8	3.2	5.6	8.0	11.3	11.3	8.0	—
	24	0.8	1.6	1.6	0.8	0.8	1.6	0.8	1.6	8.0	11.3	10.5	8.0	—
	25	1.6	0.8	0.8	0.0	0.0	0.8	1.6	2.4	3.2	2.4	3.2	4.0	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	2.4	3.2	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	1.6	3.2	8.0	11.3	—
	28	0.0	0.8	0.8	1.6	1.6	0.8	0.8	1.6	4.8	4.0	4.0	4.8	—
	29	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	3.2	4.0	1.6	4.0	—
	30	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.0	0.8	4.8	8.0	8.9	—
	31	1.6	3.2	2.4	2.4	1.6	0.8	0.8	0.0	0.8	6.4	10.5	12.1	—
	Hourly Means.	0.49	0.59	0.54	0.41	0.57	1.08	1.34	1.81	3.80	5.67	6.89	7.94	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	6.4	10.5	7.2	3.2	1.6	0.0	4.0	2.4	1.6	0.0	0.0	0.0	2.20
	2	4.8	8.0	8.0	5.6	2.4	0.8	3.2	0.8	0.8	3.2	3.2	2.4	2.70
	3	6.4	6.4	6.4	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.50
	4	7.2	8.0	8.0	4.8	4.0	1.6	0.0	0.0	0.0	1.6	1.6	0.0	3.68
	5	3.2	1.6	4.8	5.6	6.4	1.6	0.0	0.0	0.0	1.6	1.6	0.0	1.57
	6	14.5	7.2	2.4	4.8	3.2	1.6	0.8	1.6	0.8	0.8	0.8	0.8	2.91
	7	14.5	14.5	13.7	8.9	4.8	0.8	0.0	0.8	0.0	0.0	0.0	0.0	4.25
	8	4.8	0.0	1.6	1.6	1.6	0.8	1.6	0.8	1.6	0.8	0.0	0.0	1.83
	9	7.2	12.1	8.0	7.2	7.2	0.8	0.8	1.6	1.6	2.4	2.4	2.4	3.34
	10	11.3	8.9	7.2	6.4	2.4	1.6	0.8	0.8	0.0	0.0	0.0	0.0	3.04
	11	8.0	12.9	9.7	3.2	6.4	4.8	3.2	4.0	3.2	1.6	0.8	0.0	3.68
	12	6.4	4.8	8.0	7.2	4.8	1.6	0.0	0.8	0.8	1.6	1.6	1.6	2.27
	13	6.4	4.8	8.0	8.0	3.2	0.8	0.0	0.8	1.6	0.0	0.8	0.0	2.00
	14	6.4	6.4	8.0	8.0	6.4	4.8	3.2	0.8	3.2	1.6	1.6	1.6	3.23
	15	14.5	15.3	12.9	12.9	7.2	1.6	0.8	0.8	0.0	0.0	1.6	3.2	4.96
	16	8.9	12.9	11.3	8.0	4.8	2.4	1.6	8.0	1.6	0.8	0.0	0.8	3.55
	17	12.1	6.4	2.4	3.2	1.6	1.6	4.8	1.6	0.8	2.4	0.8	0.8	3.15
	18	8.0	7.2	8.9	10.5	9.7	3.2	1.6	0.0	0.0	0.0	0.0	0.0	3.79
	19	9.7	11.3	9.7	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.8	1.6	4.63
	20	12.9	6.4	16.1	10.5	3.2	1.6	1.6	4.0	1.6	0.0	0.0	0.0	4.23
	21	9.7	9.7	12.9	11.3	5.6	3.2	0.8	1.6	1.6	0.8	0.0	0.0	3.55
	22	8.0	8.9	11.3	9.7	10.5	6.4	3.2	1.6	0.8	0.8	0.8	0.0	4.09
	23	12.1	11.3	12.9	11.3	4.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	4.29
	24	8.0	6.4	7.2	8.0	6.4	1.6	0.0	0.0	0.8	0.0	0.0	0.8	3.61
	25	8.0	7.2	8.9	6.4	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.40
	26	4.8	6.4	6.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27
	27	12.1	8.0	9.7	9.7	6.4	4.8	1.6	0.8	0.0	0.8	0.0	0.0	3.38
	28	1.6	9.7	9.7	7.2	4.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.44
	29	5.6	6.4	6.4	6.4	4.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	2.13
	30	9.7	11.3	13.7	14.5	12.1	3.2	1.6	0.8	0.8	0.8	1.6	0.8	3.96
	31	8.9	12.9	11.3	8.0	6.4	2.4	1.6	0.8	0.8	1.6	2.4	1.6	4.22
	Hourly Means.	8.45	8.51	8.80	7.36	4.96	1.88	1.21	1.16	0.80	0.77	0.80	0.67	3.19

CLOUDS.

CLEAR = 0. — OVERCAST = 10

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	10	9	2	3	2	3	10	10	10	10	10	9	—
	2	2	3	2	5	2	7	5	5	5	5	5	5	—
	3	3	2	1	6	3	1	2	9	8	9	10	9	—
	4	6	5	4	8	9	7	6	8	5	6	8	9	—
	5	7	9	9	10	9	10	7	9	10	10	10	9	—
	6	10	5	6	3	2	2	3	6	10	9	5	10	—
	7	9	10	10	10	10	10	10	10	7	7	5	9	—
	8	8	7	3	2	7	10	10	10	10	10	10	10	—
	9	10	6	9	9	10	10	9	9	9	8	6	6	—
	10	10	10	9	9	8	6	4	2	1	0	0	0	—
	11	8	2	0	0	0	1	2	2	2	1	1	2	—
	12	2	1	1	1	2	2	3	4	3	5	9	9	—
	13	2	1	1	1	1	2	1	0	0	1	1	2	—
	14	2	1	1	1	1	5	6	3	2	1	3	2	—
	15	10	10	10	10	10	10	10	10	10	10	10	7	—
	16	10	9	3	1	1	1	2	0	4	4	6	6	—
	17	3	2	2	3	3	3	2	4	4	5	4	7	—
	18	10	10	10	9	10	10	10	8	9	9	9	10	—
	19	4	7	9	9	7	7	3	2	3	3	8	9	—
	20	10	8	8	5	7	7	7	6	4	3	9	7	—
	21	10	9	9	3	2	3	3	3	3	4	7	8	—
	22	4	3	1	1	2	4	6	5	4	5	5	6	—
	23	7	3	3	2	3	7	10	10	10	10	10	10	—
	24	4	2	3	3	2	3	2	1	1	1	3	4	—
	25	2	2	4	1	1	2	0	0	0	1	1	0	—
	26	1	1	1	1	1	2	2	2	3	3	3	3	—
	27	9	3	2	2	2	6	8	7	6	6	6	5	—
	28	4	2	1	2	2	2	1	0	1	1	2	2	—
	29	6	4	4	4	4	6	2	1	2	6	4	6	—
	30	3	6	6	2	2	5	10	9	10	10	6	10	—
	31	8	10	4	3	2	4	8	9	7	6	7	9	—
Hourly Means.		6.3	5.2	4.5	4.2	4.1	5.1	5.3	5.3	5.3	5.5	5.9	6.5	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	8	6	6	9	10	10	9	9	8	7	6	7	7.6
	2	5	7	6	7	7	10	10	6	7	9	7	7	5.8
	3	8	9	10	9	9	8	2	2	3	1	2	2	5.3
	4	10	9	9	7	4	3	3	2	4	6	6	9	6.4
	5	8	9	9	9	8	7	7	8	8	8	5	5	8.3
	6	7	9	10	10	10	10	9	9	7	8	7	7	7.3
	7	6	6	4	4	9	9	9	7	7	4	9	9	7.9
	8	9	10	7	6	7	5	2	4	9	8	10	10	7.7
	9	5	9	7	2	4	4	3	9	9	10	10	10	7.6
	10	3	7	9	10	10	10	10	10	8	4	3	2	6.0
	11	0	0	6	10	10	10	10	10	10	6	7	2	4.3
	12	6	6	7	8	10	9	7	8	8	5	5	4	5.2
	13	2	3	3	2	2	2	1	2	1	0	0	1	1.3
	14	6	5	4	4	3	9	9	9	9	3	1	1	3.8
	15	7	8	9	9	9	7	10	4	5	7	5	10	8.6
	16	6	4	6	5	3	6	4	10	10	9	5	2	4.9
	17	10	10	10	10	10	10	10	10	10	10	10	10	6.8
	18	10	9	7	6	9	10	4	4	2	4	3	5	7.8
	19	10	7	6	8	8	9	0	1	9	7	9	10	6.5
	20	9	9	9	9	9	10	8	8	8	6	6	5	7.4
	21	10	10	10	5	10	10	7	9	8	7	8	8	6.9
	22	6	7	6	7	5	3	6	3	7	4	9	9	4.9
	23	9	7	7	7	9	9	4	3	3	4	3	3	6.4
	24	2	1	5	2	1	2	1	6	10	9	5	5	3.3
	25	2	2	2	2	3	4	0	1	3	0	2	1	1.5
	26	0	0	0	0	5	5	1	1	2	1	4	3	1.9
	27	7	6	7	7	7	5	8	9	10	10	6	6	6.3
	28	4	3	2	2	3	1	0	0	1	3	0	0	1.6
	29	3	8	5	5	9	7	9	4	3	4	5	4	4.8
	30	7	3	3	2	4	8	5	5	2	2	5	4	5.4
	31	6	10	6	7	6	6	7	8	9	6	9	9	6.9
Hourly Means.		6.2	6.4	6.4	6.1	6.9	7.0	5.6	5.8	6.5	5.5	5.5	5.5	5.69

DURATION OF SUNSHINE.

MAY.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	0	1	2	4	5	5	3	7	6	4	0	1	7	8	6	0	3.7
2	2	1	2	4	7	7	9	9	8	6	8	8	3	7	7	1	5.6
3	0	0	3	1	0	0	0	1	2	7	2	0	0	0	4	9	1.8
4	1	6	8	10	7	8	2	3	0	1	0	0	0	1	1	1	3.1
5	4	4	3	1	0	3	1	1	1	0	4	1	0	0	0	1	1.5
6	10	1	1	0	6	5	6	6	4	1	2	2	2	1	1	0	3.0
7	0	0	4	1	4	8	8	8	1	9	8	6	10	10	10	10	6.1
8	0	0	0	0	0	0	0	0	0	1	2	0	0	0	6	7	1.0
9	0	0	0	4	5	7	9	8	9	9	7	1	0	4	7	5	4.7
10	10	10	10	10	10	10	8	7	10	10	10	3	0	0	0	0	6.8
11	10	10	10	10	10	10	10	10	9	10	10	10	10	10	2	0	8.8
12	7	1	8	4	9	2	1	8	2	5	7	8	8	1	0	4	4.7
13	10	10	10	10	9	9	10	10	10	10	10	10	10	10	10	10	9.9
14	10	10	10	10	8	10	6	9	9	6	7	6	8	3	9	7	8.0
15	1	6	3	2	2	3	4	5	9	4	1	3	1	4	8	3	3.7
16	9	4	9	9	9	9	9	8	9	9	8	7	9	1	4	6	7.4
17	10	7	7	7	10	10	10	5	1	0	0	0	0	0	0	0	4.2
18	2	2	0	0	1	0	0	0	0	0	0	4	9	9	9	8	2.8
19	8	9	10	9	7	0	0	0	0	0	0	3	4	1	5	4	3.8
20	9	10	10	5	9	9	9	9	10	7	0	0	1	3	3	1	5.9
21	10	9	4	1	2	6	6	2	4	7	1	3	1	4	2	1	3.9
22	8	9	8	8	9	9	8	9	9	6	9	9	6	5	8	7	7.9
23	0	0	0	0	0	0	0	0	0	0	5	7	10	9	7	6	2.8
24	10	10	10	10	10	9	9	8	8	7	8	9	8	10	6	9	8.8
25	10	10	10	10	10	10	10	10	10	10	9	10	8	10	7	7	9.4
26	10	10	9	9	10	10	10	10	10	10	10	8	9	9	8	9	9.4
27	9	7	5	7	8	10	9	9	10	9	6	4	5	4	5	6	7.1
28	10	10	10	10	10	9	10	10	8	3	3	10	10	10	10	10	8.9
29	10	10	10	9	8	8	0	1	7	10	10	8	2	9	2	8	7.0
30	1	0	4	0	2	6	9	9	5	2	7	9	9	9	9	9	5.6
31	0	2	6	8	8	8	7	9	9	9	7	3	8	8	4	1	6.1
Means.	5.8	5.5	6.0	5.6	6.3	6.5	5.9	6.2	5.8	5.5	5.2	4.9	5.1	5.2	5.2	4.8	5.59

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

	Mean Batavia Time.	7h30 A. M.	8	8h30	9	9h30	10	10h30	11	11h30	12	0h30 P. M.	1	1h30	2	2h30	3	3 30	4	4h30
MAY.	1	26.2	31.4	34.7	40.2	42.8	46.5	46.7	45.6	47.1	50.0	50.2	44.5	43.4	49.9	54.4	48.9	50.4	36.4	36.3
	2	27.2	33.3	32.1	38.6	35.6	42.9	44.0	48.4	52.4	50.4	54.1	52.9	53.4	45.9	43.4	42.4	39.0	35.6	32.5
	3	26.1	27.5	28.4	35.0	40.0	39.8	38.3	41.2	41.7	46.8	45.6	41.9	38.6	37.6	37.6	40.4	44.6	42.2	33.5
	4	30.6	34.5	36.9	45.0	49.9	49.4	49.1	49.4	43.4	42.5	42.9	37.4	37.8	37.8	38.7	42.3	40.1	37.4	34.7
	5	28.4	35.4	36.9	39.9	41.0	38.9	40.5	43.5	42.0	42.2	40.1	42.9	44.6	40.5	40.9	37.1	37.1	37.2	34.4
	6	34.0	45.4	45.6	38.3	41.6	42.9	47.1	52.3	44.1	51.5	47.9	44.6	42.8	43.4	40.4	39.9	39.0	35.4	34.4
	7	—	26.4	26.1	34.1	41.6	41.6	50.1	52.6	55.6	41.8	37.4	51.2	49.2	50.4	51.6	49.4	48.4	45.4	32.9
	8	21.7	—	—	29.3	31.7	33.1	34.6	37.3	39.6	41.4	44.1	41.9	43.9	38.2	37.4	45.9	44.2	41.6	33.9
	9	26.0	28.7	30.7	35.5	38.9	48.5	49.7	51.4	51.5	53.4	55.5	50.9	50.7	34.1	35.5	42.7	46.7	38.1	33.9
	10	31.4	42.9	46.3	48.9	50.1	50.5	52.1	52.4	51.2	54.0	54.7	54.4	55.6	35.9	32.9	30.8	27.2	25.9	—
	11	30.9	41.4	43.2	46.0	47.9	50.4	51.1	51.2	51.5	52.4	52.4	53.4	52.8	52.3	51.4	49.9	39.4	28.9	27.9
	12	31.0	37.2	40.8	42.2	47.9	46.0	46.9	43.0	47.0	45.5	47.7	49.4	55.5	56.0	49.9	40.2	36.5	39.2	33.6
	13	31.1	41.4	44.7	47.8	48.6	51.2	47.1	50.9	52.1	53.4	54.2	52.5	52.5	51.4	50.4	49.3	47.9	44.0	33.8
	14	31.1	40.0	44.3	48.1	48.5	49.4	50.9	45.5	49.7	50.3	54.5	48.2	49.2	52.7	48.6	50.5	47.4	42.6	33.8
	15	25.9	30.9	35.4	42.5	39.9	42.4	41.4	45.4	42.4	51.5	53.6	38.9	43.9	43.3	37.9	48.3	42.3	35.4	32.9
	16	33.6	43.4	45.2	49.0	49.7	48.6	50.0	53.9	54.0	50.5	49.4	52.9	49.9	50.4	50.4	43.5	40.4	44.9	35.4
	17	30.6	38.3	43.7	39.2	42.4	51.6	51.8	51.6	52.6	42.0	41.8	36.4	32.4	28.6	—	31.4	33.2	33.2	33.4
	18	27.7	32.8	33.5	32.7	34.2	37.7	37.8	37.8	38.1	37.5	35.9	36.3	38.9	45.0	48.1	48.7	47.6	44.0	35.1
	19	29.1	35.3	39.1	45.0	46.1	46.9	48.8	38.1	35.6	34.9	35.0	36.7	36.9	41.8	40.6	42.4	43.7	37.8	33.2
	20	25.4	34.9	43.4	47.4	46.9	46.9	47.4	44.8	50.4	50.9	51.6	36.9	31.2	35.7	—	37.9	35.6	31.9	30.4
	21	31.4	41.4	45.4	42.4	40.3	39.6	40.6	49.9	48.9	41.9	45.4	45.4	42.6	44.3	42.4	46.4	40.4	38.9	35.4
	22	28.0	34.9	40.8	44.8	45.3	45.3	44.5	44.4	47.6	52.4	50.3	48.9	52.7	52.4	40.1	46.9	47.4	46.1	36.6
	23	23.4	24.1	24.0	24.8	26.0	26.0	25.6	28.9	32.1	35.7	35.6	37.9	40.4	45.9	45.8	48.9	42.9	42.8	33.9
	24	33.8	42.4	44.4	47.2	48.3	49.4	50.7	52.9	53.0	49.6	52.2	51.8	52.0	51.1	49.6	51.9	44.2	45.4	34.2
	25	34.9	41.9	44.9	47.4	49.4	51.9	50.3	52.4	51.5	49.9	55.4	51.4	53.9	53.8	51.5	49.6	42.9	42.9	34.6
	26	30.2	39.2	41.4	45.4	46.6	48.4	50.8	51.9	52.8	53.4	52.4	52.9	51.8	47.9	47.4	46.4	44.4	42.9	33.4
	27	29.1	37.9	38.1	38.5	41.4	45.2	49.7	53.9	52.8	56.0	55.6	51.5	48.6	50.4	44.0	42.9	49.9	46.4	36.9
	28	34.1	42.4	44.6	48.0	48.8	51.4	52.5	51.4	52.0	53.4	47.1	36.6	39.0	50.8	50.4	48.3	47.1	42.6	33.2
	29	33.7	42.4	44.6	48.5	50.7	49.1	51.6	37.9	36.3	35.4	51.7	52.9	53.8	39.8	45.7	41.3	40.4	44.9	37.6
	30	26.4	33.4	31.8	35.5	46.1	42.0	38.6	49.4	50.6	47.4	45.3	44.9	49.0	52.4	52.4	48.6	46.6	42.8	33.4
	31	27.2	29.6	31.0	40.6	46.4	45.2	52.1	52.0	50.9	51.4	51.3	49.5	44.6	38.9	41.3	46.9	39.4	36.5	35.4
	Means.	29.34	36.36	38.73	41.54	43.70	45.12	46.21	47.14	47.44	47.40	48.09	46.06	46.18	45.12	44.85	44.52	42.46	39.65	34.02

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	8.6	17.2	18.1	18.9	24.9	10.3	9.5	9.5	5.2	3.4	2.2	1.7	—
	2	9.0	7.3	8.2	9.0	9.0	12.9	9.9	23.7	12.5	6.9	3.4	1.7	—
	3	9.9	14.2	15.5	11.2	8.2	7.7	12.5	11.6	11.2	8.2	3.0	0.4	—
	4	33.5	25.4	22.8	21.5	25.4	21.5	3.4	10.3	6.9	0.9	1.7	0.9	—
	5	29.7	7.3	10.3	22.4	17.2	15.9	27.1	9.5	8.2	5.2	5.2	3.4	—
	6	11.6	15.9	20.2	19.4	23.2	18.9	23.2	11.2	5.6	1.3	4.3	3.9	—
	7	11.6	14.6	9.9	14.6	16.8	10.3	17.2	4.3	29.2	4.7	4.7	16.3	—
	8	18.5	18.5	22.8	26.2	23.7	21.5	P N	P N	P N	18.1	5.6	— 0.9	—
	9	18.1	25.4	21.9	25.8	16.8	23.2	23.7	18.9	14.2	3.9	3.0	3.0	—
	10	9.0	8.6	12.9	9.9	15.1	12.5	8.6	8.2	3.4	1.7	3.0	3.9	—
	11	21.1	25.8	31.8	21.1	15.5	29.2	22.4	10.3	5.2	2.2	2.6	2.2	—
	12	16.3	19.8	24.5	17.6	9.9	9.5	14.2	10.8	6.9	1.3	3.0	1.7	—
	13	19.8	23.2	24.9	27.1	20.2	19.4	22.4	12.9	9.5	6.0	3.4	4.3	—
	14	19.8	18.1	17.2	11.2	8.6	8.2	9.5	9.9	6.5	3.0	3.0	2.6	—
	15	— 10.8	25.4	20.6	20.2	15.9	12.5	14.6	8.6	3.9	3.4	3.0	— 0.9	—
	16	6.9	4.3	—	12.5	18.1	16.3	12.9	11.2	2.2	— 3.0	0.9	2.2	—
	17	19.4	16.3	19.4	24.9	24.5	15.9	29.7	20.2	9.9	3.0	4.7	10.3	—
	18	— 0.4	9.5	19.4	16.3	17.2	23.2	19.4	24.1	15.9	7.7	6.9	5.2	—
	19	26.7	26.7	22.8	32.7	22.8	23.7	22.4	12.9	6.9	6.9	9.9	6.5	—
	20	28.4	24.9	23.7	17.2	21.9	22.8	24.9	21.1	6.0	1.7	3.0	3.4	—
	21	16.3	11.6	13.8	12.5	18.9	15.1	25.4	12.5	7.7	6.5	1.3	2.6	—
	22	18.5	11.2	13.8	19.8	19.4	23.7	25.8	11.6	6.9	3.0	1.7	1.3	—
	23	12.5	9.9	9.9	11.6	14.2	17.2	N	— 2.6	P N	P N	P N	1.7	—
	24	—	—	—	—	—	—	—	—	3.9	2.2	0.9	0.9	—
	25	7.7	5.2	5.6	4.7	6.0	6.5	6.9	8.2	4.3	3.9	2.6	3.0	—
	26	7.3	7.7	6.5	5.6	8.6	6.0	7.3	8.2	6.5	3.9	1.7	3.0	—
	27	7.7	8.6	7.3	7.3	6.5	6.0	8.2	5.6	7.7	2.2	0.0	0.9	—
	28	11.2	6.9	7.3	6.9	6.9	7.7	8.2	7.7	3.9	1.7	3.0	1.7	—
	29	12.0	14.2	10.3	8.2	6.9	6.5	6.5	4.7	1.3	— 0.4	— 0.4	2.6	—
	30	9.9	6.5	6.5	5.2	6.5	12.0	12.5	7.3	6.5	2.6	— 0.4	— 0.4	—
	31	1.7	6.0	5.6	2.6	5.2	5.2	8.6	9.9	5.2	2.2	0.9	0.4	—
Hourly Means.		13.7	14.5	15.6	15.5	15.1	14.7	15.6	11.1	7.7	3.8	2.9	2.9	—

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	2.2	1.3	1.7	2.6	4.7	9.9	6.0	6.5	8.2	10.3	10.3	11.6	8.5
	2	1.7	1.7	1.3	3.9	20.6	— 5.6	5.2	9.5	12.5	16.3	10.3	9.5	8.3
	3	2.2	3.0	0.9	— 4.3	3.4	3.4	9.9	16.3	21.5	23.7	27.1	25.8	10.3
	4	0.9	3.4	3.4	3.4	3.9	7.3	11.2	14.6	13.8	13.3	10.3	16.3	11.5
	5	3.9	4.7	2.6	2.6	3.9	7.3	11.6	18.1	1.3	15.1	14.6	12.9	10.8
	6	P N	P N	P N	1.7	6.9	6.0	9.0	13.3	12.9	12.0	11.6	12.9	11.7
	7	6.0	3.9	2.6	3.4	5.6	6.5	14.2	13.8	15.9	17.6	18.1	18.9	11.7
	8	3.4	3.0	4.3	4.3	7.3	9.5	11.6	15.1	21.5	18.9	17.6	16.3	13.7
	9	5.6	4.3	14.2	7.3	6.9	11.6	22.4	15.9	23.7	P N	17.2	9.9	14.6
	10	8.6	P N	P N	P N	P N	P N	15.1	9.0	12.0	15.5	17.2	17.2	10.7
	11	2.6	3.9	14.6	P N	P N	P N	P N	5.6	8.6	8.2	13.3	13.3	13.0
	12	3.0	2.2	5.2	5.2	P N	29.2	0.9	11.2	13.8	12.0	15.5	15.5	10.8
	13	5.2	4.3	4.3	5.6	6.0	9.9	18.5	15.1	15.9	13.8	14.6	15.9	13.4
	14	3.9	2.6	1.7	3.4	3.4	5.6	— 12.0	11.2	10.3	— 4.3	15.9	15.1	7.3
	15	4.3	0.0	0.9	9.0	6.0	16.8	18.9	19.4	6.0	5.6	12.5	13.8	9.6
	16	2.6	1.7	3.0	7.3	8.6	10.3	24.9	P N	P N	14.2	20.6	21.1	9.5
	17	P N	P N	P N	7.3	P N	P N	P N	P N	P N	P N	P N	P N	15.8
	18	5.6	3.9	5.2	9.5	6.9	10.8	20.6	23.7	22.8	12.9	28.8	21.1	14.0
	19	8.2	5.2	5.2	6.0	9.9	18.9	16.8	10.3	11.6	11.2	24.1	27.5	15.7
	20	8.6	N	5.2	17.2	28.8	25.8	11.6	13.8	11.2	15.1	18.5	20.2	16.3
	21	2.2	3.0	3.0	N	23.7	32.3	— 2.2	15.9	15.9	14.2	19.4	28.0	13.0
	22	2.2	2.2	3.0	3.0	3.4	7.3	11.2	12.9	18.1	13.8	13.8	13.8	10.9
	23	—	—	—	—	—	—	—	—	—	—	—	—	9.3
	24	1.7	2.6	2.2	1.7	4.3	6.0	9.5	10.8	11.6	8.6	15.5	12.9	6.0
	25	2.6	2.6	2.2	1.7	3.0	4.7	7.3	9.9	12.5	8.6	10.3	6.5	5.7
	26	3.4	3.0	3.0	3.4	4.7	6.0	6.5	10.8	9.5	14.2	10.8	8.6	6.5
	27	2.6	2.2	3.0	2.6	1.7	6.0	7.7	7.3	9.5	9.9	11.6	13.3	6.1
	28	3.4	2.2	1.7	0.9	3.4	4.7	7.7	12.5	12.0	14.2	14.2	12.9	6.8
	29	0.0	— 0.9	0.0	P N	P N	P N	0.9	6.5	8.2	9.0	8.6	8.2	5.4
	30	0.4	— 0.4	— 1.3	— 1.7	0.0	5.2	3.9	11.6	8.6	10.8	8.2	5.2	5.2
	31	1.3	— 2.6	2.2	2.2	3.0	3.9	9.5	15.9	16.3	12.5	12.5	7.3	5.7
Hourly Means.		3.5	2.4	3.5	4.2	7.2	10.0	9.9	12.7	13.1	12.4	15.3	14.9	10.09

BAROMETRIC PRESSURE.

BAROMETER AT 0°.C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	8.29	7.77	7.29	7.19	7.61	7.68	8.18	8.86	9.35	9.00	8.86	8.43	—
	2	9.35	9.19	8.74	8.95	8.71	9.06	9.24	9.66	10.03	10.08	9.88	9.15	—
	3	8.85	8.43	7.90	7.81	7.87	7.95	8.26	8.64	8.64	8.61	8.50	8.19	—
	4	8.99	8.15	7.56	7.39	7.69	8.11	8.32	8.92	9.26	9.05	8.74	8.31	—
	5	7.99	7.89	7.79	7.84	7.89	8.00	8.15	8.32	8.27	8.26	7.89	7.50	—
	6	7.50	7.06	6.83	6.83	6.99	7.19	7.68	8.16	8.48	8.34	8.00	7.94	—
	7	7.40	7.15	6.96	7.12	7.25	7.36	7.69	8.12	8.11	8.04	7.78	7.23	—
	8	7.69	7.60	7.50	7.81	8.07	8.41	8.31	8.57	8.62	8.51	8.21	7.57	—
	9	7.46	7.18	6.95	6.91	7.41	7.72	7.82	8.12	8.05	8.21	7.94	7.28	—
	10	7.26	6.99	6.85	7.02	7.22	7.45	7.92	8.26	8.34	8.34	8.14	7.83	—
	11	7.96	7.59	7.25	7.46	7.51	8.01	8.40	9.05	9.50	9.43	8.68	8.06	—
	12	8.45	7.87	7.50	7.71	8.01	8.32	8.79	9.32	9.64	9.81	9.48	8.76	—
	13	8.86	8.28	8.40	8.11	8.42	8.84	9.16	9.72	10.09	9.54	9.21	8.58	—
	14	8.64	8.20	7.92	7.85	7.96	8.37	8.47	9.00	9.31	9.29	8.90	8.11	—
	15	8.11	7.81	7.78	7.44	7.55	7.55	7.77	8.25	8.36	8.26	8.08	7.40	—
	16	8.67	8.07	7.69	7.65	7.60	7.75	8.15	8.57	8.82	8.81	8.49	8.21	—
	17	8.68	8.34	8.10	8.19	8.35	8.49	9.00	9.66	9.62	9.61	9.20	8.75	—
	18	9.21	8.70	8.36	8.01	8.37	8.59	9.06	9.54	9.65	9.78	9.57	9.63	—
	19	8.99	8.66	8.14	8.14	8.60	8.81	9.22	9.82	9.46	9.99	9.81	9.55	—
	20	9.54	9.35	9.04	9.06	9.17	9.20	9.56	10.07	10.02	10.11	9.78	9.45	—
	21	10.34	10.06	9.89	9.91	9.82	9.94	10.39	10.86	11.06	11.00	10.61	10.19	—
	22	9.87	9.61	9.02	9.06	9.17	9.21	9.37	9.81	10.05	9.89	9.43	8.76	—
	23	9.04	8.56	8.30	8.35	8.60	8.87	9.19	9.61	9.55	9.32	9.01	8.72	—
	24	8.94	8.62	8.34	8.36	8.59	9.01	9.27	9.85	10.07	9.90	9.48	8.92	—
	25	9.70	9.20	8.91	8.92	9.26	9.72	9.97	10.55	10.86	10.30	9.94	9.20	—
	26	9.66	9.31	9.07	9.35	9.42	9.55	9.82	10.17	10.47	10.20	9.88	9.38	—
	27	9.49	8.99	8.93	8.94	9.16	9.62	10.01	10.61	10.71	10.51	9.80	8.83	—
	28	9.10	8.80	8.49	8.15	8.51	8.91	8.92	9.36	9.39	9.53	9.19	8.64	—
	29	8.77	8.51	8.34	8.46	8.30	8.57	9.00	9.42	9.45	9.14	8.80	8.11	—
	30	8.64	8.20	7.71	7.58	7.39	7.85	8.45	8,75	8.85	8.69	8.94	8.93	—
Hourly Means.		8.71	8.34	8.04	8.05	8.22	8.47	8.78	9.25	9.40	9.32	9.01	8.52	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	7.86	7.28	6.81	6.56	7.23	7.83	8.49	8.87	9.50	9.73	10.30	10.36	8.31
	2	8.67	8.13	7.51	7.52	7.39	7.75	8.30	8.89	9.57	9.58	9.39	9.36	8.92
	3	7.57	7.19	7.03	6.78	7.11	8.13	8.53	8.66	9.09	9.10	9.24	9.39	8.23
	4	7.78	6.95	6.46	6.40	6.98	7.48	7.70	8.29	8.71	8.60	8.64	8.46	8.04
	5	7.25	6.67	6.13	6.12	6.49	6.89	7.64	8.06	8.33	8.47	8.28	7.91	7.67
	6	7.22	6.37	5.99	6.35	6.43	6.58	6.88	7.43	7.80	8.00	8.01	8.03	7.34
	7	6.45	6.18	5.77	5.52	6.15	6.52	6.93	7.44	7.93	8.07	7.86	7.74	7.20
	8	6.76	5.90	5.64	5.66	6.12	6.17	6.36	6.86	7.45	7.73	7.70	7.90	7.38
	9	7.00	6.44	6.26	6.07	6.38	6.89	7.23	7.66	8.09	8.17	7.94	7.68	7.37
	10	7.31	6.60	6.22	6.15	6.37	6.84	7.44	8.16	8.50	8.83	8.72	8.38	7.55
	11	7.24	6.61	6.22	6.61	6.91	7.86	8.78	9.34	9.50	9.70	9.51	9.15	8.18
	12	8.23	7.50	7.25	7.30	7.70	8.61	8.77	9.19	9.40	9.35	9.25	9.14	8.56
	13	7.71	7.02	6.67	6.87	7.38	8.24	8.60	8.73	9.00	9.14	9.36	9.08	8.53
	14	7.49	6.76	6.26	6.26	6.98	7.62	7.76	8.24	8.98	9.36	8.84	8.61	8.13
	15	6.89	6.45	6.18	5.98	6.75	7.62	8.08	8.31	8.91	8.70	8.89	8.96	7.75
	16	7.65	6.97	6.41	6.43	6.64	6.83	7.03	7.68	8.40	8.74	8.85	8.75	7.87
	17	8.29	7.49	7.05	7.10	7.31	7.70	8.35	9.01	9.69	9.97	9.81	9.49	8.64
	18	9.11	8.68	7.94	7.60	7.67	7.78	8.14	8.61	9.39	9.55	9.41	9.41	8.82
	19	9.29	8.64	8.17	7.99	7.96	8.13	8.31	8.81	9.40	9.44	9.50	9.71	8.94
	20	8.72	8.88	8.04	7.96	8.25	8.82	9.16	9.76	10.33	10.56	10.89	10.91	9.44
	21	9.37	8.74	8.38	8.36	8.78	9.49	10.01	10.45	10.75	10.56	10.55	10.41	10.00
	22	8.17	7.44	7.22	7.31	7.24	7.70	8.31	8.81	9.34	9.40	9.23	9.14	8.86
	23	7.95	7.34	7.23	7.34	7.80	8.19	9.23	9.59	9.83	10.12	9.84	9.51	8.80
	24	8.43	8.03	7.83	7.95	8.56	9.09	9.54	10.10	10.33	10.23	10.13	9.96	9.15
	25	8.87	8.55	8.62	8.32	8.70	8.78	9.23	9.71	10.05	10.08	10.10	10.00	9.48
	26	8.58	7.83	7.19	7.19	7.47	7.68	8.29	9.25	9.73	10.08	10.12	9.95	9.15
	27	8.12	7.37	7.15	6.97	7.38	7.74	8.25	8.60	9.00	9.29	9.42	9.18	8.92
	28	8.17	7.25	6.93	7.06	7.56	7.67	8.31	8.87	9,25	9.41	9.43	9.14	8.59
	29	7.43	6.91	6.72	6.67	7.06	7.49	7.95	8.64	9.04	9.13	8.90	8.84	8.32
	30	9.10	8.48	8.45	8.55	8.67	9.17	9.14	8.95	8.66	7.92	7.32	6.86	8.39
Hourly Means.		7.96	7.36	6.99	6.97	7.31	7.78	8.22	8.70	9.13	9.23	9.18	9.05	8.42

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	76.7	75.8	74.7	74.3	74.5	74.5	75.0	76.0	77.5	79.8	82.2	84.0	—
	2	74.1	74.0	73.9	74.0	73.9	73.5	73.8	75.2	77.0	78.0	79.0	80.2	—
	3	75.5	75.0	74.9	74.5	74.3	74.0	74.0	75.7	78.7	80.3	81.8	82.7	—
	4	76.3	75.8	75.0	75.0	74.7	74.3	74.7	75.7	77.5	78.5	78.9	79.7	—
	5	74.0	74.0	74.0	74.0	74.0	74.2	74.2	75.4	78.2	79.6	82.0	82.4	—
	6	75.6	75.2	75.0	75.0	75.0	75.0	75.8	78.0	79.4	82.1	83.5	81.0	—
	7	75.0	74.6	74.2	73.6	73.1	73.0	73.0	75.0	78.1	81.0	82.2	83.0	—
	8	75.0	74.6	74.4	74.0	73.5	73.5	73.5	73.9	74.7	75.9	78.0	81.0	—
	9	76.0	75.3	75.1	75.1	75.3	74.9	74.9	75.0	76.0	78.0	80.5	82.6	—
	10	75.3	75.0	75.0	75.0	74.4	74.0	74.0	76.6	79.2	81.2	83.0	84.0	—
	11	76.0	75.6	75.2	75.2	75.3	75.2	76.0	77.0	79.0	81.3	83.6	85.3	—
	12	73.8	73.5	73.3	73.1	72.9	72.7	73.0	74.2	76.2	79.2	80.6	81.7	—
	13	75.0	75.0	74.4	74.2	74.0	74.0	74.2	76.0	78.5	80.2	82 9	84.0	—
	14	75.0	74.4	74.2	73.8	73.7	73.6	74.0	75.6	77.0	78.0	79.2	81.7	—
	15	75.8	75.8	75.8	75.2	75.0	75.0	75.0	76.1	78.1	80.6	83.0	83.7	—
	16	72.7	72.7	72.5	72.5	72.7	72.7	73.2	74.5	76.3	80.0	81.6	82.6	—
	17	76.3	75.9	75.2	74.8	74.2	73.9	73.9	74.7	76.7	80.0	82.0	81.8	—
	18	74.7	74.7	74.5	74.2	74.0	73.8	74.1	75.4	77.5	79.7	80.5	80.2	—
	19	75.0	75.0	74.8	74.6	74.6	74.4	74.8	76.3	78.5	80.2	80.6	81.1	—
	20	75.1	74.2	74.0	73.8	72.9	72.1	72.2	74.1	77.7	81.5	83.3	84.9	—
	21	74.7	74 1	73.7	73.5	73.3	72.8	73.2	75.2	78.2	81.0	83.0	84.0	—
	22	73.8	73.1	72.7	72.1	71.9	71.6	72.1	74.1	77.2	79.4	81.4	83.2	—
	23	76.3	76.0	75.4	75.1	74.9	74.5	74.5	77.0	79.6	82.0	83.3	85.0	—
	24	74.5	74.0	73.4	73.0	72.6	72.1	72.5	75.0	78.6	81.5	82.2	83.6	—
	25	75.0	74.4	74.2	74.0	73.6	73.2	73.8	76.0	75.4	75.3	78.8	81.7	—
	26	75.0	74.6	73.8	73.4	73.0	72.1	72.4	74.3	77.8	81.8	83.5	85.0	—
	27	76.4	75.7	75.0	74.2	74.0	73.4	73.4	75.0	77.2	80.0	82.0	84.0	—
	28	76.4	75.7	75.0	74.6	74.2	73.8	73.9	76.0	79.0	81.0	83.9	84.5	—
	29	76.0	75.3	74.8	74.6	74.0	73.8	74.0	76.1	79.6	82.0	84.4	84.8	—
	30	75.0	74.6	74.2	74.0	73.2	73 0	73.0	75.0	77.8	80.2	80.8	80.7	—
Hourly Means.		75.20	74.79	74.41	74.15	73.89	73.62	73.87	75.47	77.74	79.98	81.72	82.80	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	83.8	84.2	83.6	83.4	82.7	81.5	80.2	79.1	78.0	76.9	74.5	74.0	78.62
	2	81.2	82.0	82.0	81.4	80.7	79.8	78.6	78.0	78.0	77.4	77.0	76.2	77.45
	3	82.8	83.0	82.7	83.2	80.7	79.7	79.0	78.6	78.0	77.2	76.9	76.7	78.33
	4	80.5	80.4	79.1	79.1	78.6	77.5	76.7	75.6	75.2	74.5	73.8	73.7	76.70
	5	83.1	83.6	84.1	83.7	82.7	81.9	79.9	79.5	78.4	77.7	76.6	76 2	78.48
	6	80.4	80.4	80.2	80.2	80.2	79.2	78.4	77.5	76.5	76 1	75.6	75.2	77.94
	7	83.1	83.3	84.0	83.0	82.2	81.0	79.5	78.7	77.6	76.9	76.0	75 4	78.19
	8	82.2	83.1	83.7	83.0	82.4	80.6	79.2	78.2	77.8	77.6	76.8	76.6	77.63
	9	83.8	83.4	82.4	82.0	81.0	80.0	79 0	78.6	78.0	77.0	76.5	75.9	78.18
	10	84.2	84.0	84.5	82.8	82.0	81.1	79.5	79.5	78.7	78.0	77.1	76.4	78.94
	11	86.1	87.7	86.7	84.4	83.4	79.6	75.9	74.7	74.9	75 0	74.8	74.0	78.83
	12	83.2	84.0	83.6	83.1	82.3	81.0	80.6	79.4	77.2	76.7	76 0	75.3	77.78
	13	84.2	84.7	84.1	83.7	83.2	79.0	77.8	76.1	75.9	75.7	75.5	75.2	78.23
	14	82.5	84.0	84.6	83.0	82.0	79.4	77.8	76.7	76.3	76.3	75.8	75.8	77.68
	15	83.9	84.0	83.9	83.1	82.5	76.7	74.3	73.8	73.2	73.0	73.0	73.0	77.65
	16	83.7	83.2	82.2	82.0	81.4	80.4	79.1	78.2	77.9	77.6	77.4	76.9	77.67
	17	83.0	84.0	84.2	82.8	82.0	80.6	79.3	78.5	78.0	77.4	76.0	75.4	78.36
	18	79.2	77.8	77.8	78.2	78.3	77.8	77.4	77.0	76.7	76.4	76.0	75.6	76.73
	19	81.0	82.5	83.1	83.5	82.0	80.6	79.3	78.7	78.0	77.4	76.6	75.7	78.26
	20	83.7	79.5	83.1	82.7	82.2	81.0	79.2	78.0	77.0	76.8	75.8	75.0	77.91
	21	84.8	85.9	83.5	83.9	82.0	79.6	75.8	75.7	75.5	75.0	74.6	74.2	77.80
	22	83.4	84.6	84.0	83.2	82.0	81.0	79.7	79.0	78.8	78.0	77.6	77.2	77.96
	23	85.6	85.1	84.7	83.9	82.6	80.7	79.0	78.2	77.2	76.4	75.7	75.1	79.08
	24	84.5	83.1	84.6	84.0	83.2	82.1	79.7	78.2	76.6	76.0	75.2	75.0	78.13
	25	82.0	81.9	80.7	80.1	79.4	78.6	77.8	77.0	76.0	75.8	75.6	75.6	76.91
	26	85.4	85.9	85.2	84.9	83.9	82.3	80.7	79.9	78.9	78.1	77.2	76.7	78.99
	27	85.3	86.2	84.5	83.2	82.8	81.3	80.4	79.2	78.9	78.1	77.5	77.1	78.95
	28	85.6	86.4	85.0	83.8	83.0	81.9	81.0	79.5	78.9	78.3	78.1	77.0	79.44
	29	85.0	84.0	83.5	83.1	82.2	81.5	79.8	79.0	78.2	77.6	76.2	75.5	78.96
	30	79.5	76.2	74.8	74.6	74.1	73.6	73.4	73.0	73.5	73.8	74.0	73.2	75.22
Hourly Means.		83.22	83.27	83.00	82.43	81.59	80.03	78.60	77.77	77.13	76.62	75.98	75.49	78.03

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	882	898	888	896	904	913	922	915	844	817	729	628	—
	2	965	956	965	965	965	973	982	966	941	884	870	842	—
	3	940	947	956	947	947	956	921	915	854	804	757	752	—
	4	890	915	947	947	947	956	947	948	892	777	740	855	—
	5	929	912	921	921	921	921	904	889	830	780	764	758	—
	6	940	947	947	947	947	947	923	876	802	736	704	790	—
	7	947	947	947	956	955	955	955	914	846	756	730	704	—
	8	930	930	939	947	956	965	982	973	965	931	877	798	—
	9	948	957	956	966	966	930	947	956	923	837	797	690	—
	10	939	947	956	956	956	956	956	906	855	791	732	706	—
	11	923	931	939	947	939	947	923	907	847	806	754	697	—
	12	956	956	955	964	964	964	955	956	932	848	804	799	—
	13	947	947	956	947	947	947	939	923	838	782	691	715	—
	14	930	947	947	956	965	965	947	923	883	837	824	771	—
	15	948	957	948	966	965	965	956	948	885	783	760	741	—
	16	946	946	946	955	955	955	946	930	874	818	756	752	—
	17	957	948	947	947	947	956	938	939	932	797	772	772	—
	18	930	922	921	930	930	947	956	931	876	810	797	834	—
	19	956	956	956	956	956	956	930	906	830	752	746	718	—
	20	922	939	938	921	937	936	928	887	813	757	712	670	—
	21	913	921	921	947	946	946	946	939	861	805	690	693	—
	22	947	955	955	955	955	955	955	913	844	787	727	677	—
	23	932	931	957	939	939	947	947	891	825	758	705	652	—
	24	939	947	946	946	937	946	937	905	847	742	730	706	—
	25	922	939	938	947	938	955	929	906	880	939	815	742	—
	26	939	947	947	956	929	928	910	896	805	700	665	612	—
	27	906	914	930	938	947	946	920	880	835	814	722	728	—
	28	932	931	939	939	947	938	947	899	847	762	694	657	—
	29	923	922	930	930	947	929	921	899	773	737	675	651	—
	30	888	904	921	921	937	929	920	897	860	788	797	812	—
	Hourly Means.	932	937	942	945	946	948	940	918	861	798	751	731	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	666	648	713	725	745	806	841	878	876	916	939	956	831
	2	806	792	771	813	842	886	926	942	942	949	949	923	909
	3	788	753	787	747	826	832	846	837	829	859	874	866	856
	4	826	804	808	816	846	867	891	905	914	921	938	938	885
	5	746	726	721	665	773	822	780	870	901	907	924	931	842
	6	826	796	796	818	811	839	868	907	932	940	948	947	872
	7	753	733	741	746	778	776	863	901	916	924	923	930	858
	8	709	719	687	725	759	835	878	917	925	925	924	940	881
	9	735	748	751	764	805	848	894	909	908	916	940	923	876
	10	694	667	669	738	764	783	879	886	909	925	916	932	851
	11	655	623	676	777	817	894	915	930	922	947	930	947	858
	12	789	769	754	781	801	843	872	909	907	916	931	947	886
	13	675	657	707	741	760	831	852	889	898	914	931	939	849
	14	745	715	696	788	771	832	892	924	932	915	948	940	875
	15	741	742	727	739	759	857	921	938	946	937	929	937	875
	16	706	718	764	778	813	856	894	917	925	941	941	949	874
	17	703	706	707	738	771	797	847	885	901	892	889	898	858
	18	839	860	876	868	885	901	925	941	948	966	940	931	903
	19	747	696	725	705	743	774	823	838	860	867	891	915	842
	20	713	779	697	752	758	812	863	917	932	924	915	930	848
	21	682	641	733	748	720	771	905	923	931	947	956	947	851
	22	713	709	667	703	742	790	863	893	908	908	916	907	848
	23	628	678	690	706	737	760	822	861	891	899	923	930	831
	24	682	718	669	721	760	793	824	813	865	872	905	913	836
	25	743	764	789	803	839	869	900	916	931	940	940	940	784
	26	627	598	633	683	706	785	826	855	878	901	924	916	815
	27	653	624	743	725	724	798	841	870	885	901	916	924	837
	28	647	651	697	686	753	792	812	863	893	908	917	932	833
	29	704	721	726	732	758	792	840	878	901	907	857	864	830
	30	840	849	897	913	947	947	956	911	852	803	771	843	879
	Hourly Means.	726	720	734	755	784	826	869	894	905	913	918	925	859

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
JUNE.	1	S	S	S	S	C	S	ESE	ESE	ESE	ESE	NE	SE
	2	NW	NNW	C	C	C	C	C	C	C	C	C	NW
	3	C	C	N	C	C	C	N	N	SW	SW	NE	NE
	4	ENE	C	C	C	C	C	E	E	E	SE	ESE	E
	5	C	C	C	C	C	C	E	E	E	ESE	E	ENE
	6	C	E	C	C	C	C	E	C	S	S	E	WNW
	7	C	C	C	C	C	C	C	C	W	ENE	E	NE
	8	C	C	C	NE	W	C	W	SW	SSW	SSW	SW	NNW
	9	C	C	C	C	NE	N	C	NNE	NNE	N	N	NNW
	10	C	C	C	C	C	C	N	C	E	ENE	E	ENE
	11	C	C	C	C	C	C	C	C	WNW	SW	WNW	SW
	12	C	C	C	C	C	C	C	C	C	SE	ENE	ENE
	13	C	C	C	C	C	C	C	S	SSW	S	S	NNE
	14	C	C	C	C	C	C	C	C	SSW	SSW	SSW	SW
	15	C	C	C	C	C	C	C	SW	SW	SSW	ENE	NE
	16	C	C	C	C	C	C	SW	C	SSW	SW	SW	N
	17	C	C	C	C	C	C	C	N	C	NW	WSW	WSW
	18	S	C	C	C	C	C	C	C	SSW	SSW	SSW	ENE
	19	SE	C	C	C	C	SE	SE	SE	SSE	SE	E	ESE
	20	C	C	C	C	C	C	C	E	E	E	ENE	SE
	21	C	C	C	C	C	C	C	C	C	SW	W	NW
	22	C	C	C	C	C	C	C	C	E	ENE	NE	NE
	23	C	C	C	C	C	C	C	C	ESE	SE	E	NE
	24	C	C	C	C	C	C	C	C	ESE	E	E	ESE
	25	C	C	C	C	C	C	C	WSW	NW	N	NE	SE
	26	C	C	C	C	C	C	C	C	SSE	SE	NE	ENE
	27	C	C	C	C	C	C	C	C	C	NNE	ENE	E
	28	C	C	C	C	C	C	C	C	C	C	ENE	E
	29	C	C	C	C	C	C	C	C	NNE	ENE	NE	SSE
	30	C	C	C	C	C	C	C	C	NE	ENE	ENE	NE

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
JUNE.	1	NE	ENE	N	NNE	NNE	C	C	NNE	NNE	S	S	SW
	2	NW	NW	N	C	C	C	C	C	C	C	C	C
	3	NE	NE	NE	ENE	ENE	E	ESE	ESE	ESE	E	E	E
	4	E	E	E	E	E	E	E	ESE	ESE	C	C	C
	5	ENE	NE	N	NE	NE	NE	E	C	C	E	C	C
	6	NW	NW	NW	C	C	C	C	C	C	C	C	C
	7	NE	NE	NE	NE	NE	NE	C	C	C	C	C	C
	8	NNW	WNW	NE	NE	NE	C	C	C	C	C	C	C
	9	N	N	N	N	C	C	C	C	C	C	C	C
	10	N	N	N	N	N	C	C	C	C	C	N	C
	11	WNW	W	NNE	N	N	SE	SE	C	C	C	C	C
	12	E	NE	NNE	NNE	N	NNE	NNE	NNE	S	C	C	C
	13	NNE	NNE	N	N	NNW	SSW	SSW	S	C	C	C	C
	14	WNW	W	NW	NW	SW	SW	SW	SW	C	SW	C	SW
	15	NNW	N	N	N	NNW	S	NW	W	SW	SW	C	C
	16	N	N	N	N	C	C	C	C	C	C	C	C
	17	NNE	N	NE	N	N	N	C	N	N	SW	S	S
	18	E	E	SE	SE	C	C	C	C	C	C	SE	SE
	19	SE	E	E	ESE	ESE	ESE	ESE	ESE	C	C	C	C
	20	NE	SE	NE	N	NE	C	C	C	C	C	C	C
	21	NNW	NW	NW	NNW	SSW	NE	C	C	C	C	C	C
	22	NE	NNE	NNE	N	NNW	C	C	C	C	C	C	C
	23	NE	NNE	N	N	C	C	C	C	C	C	C	C
	24	NE	NE	ENE	NNE	NE	N	C	C	C	C	C	C
	25	E	E	E	SSE	C	C	C	C	C	C	C	C
	26	NE	NE	NNE	N	N	C	C	C	C	C	C	C
	27	SE	ENE	N	NNE	NNE	C	C	C	C	C	C	C
	28	NE	NE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
	29	NW	N	NNE	N	NNE	C	C	C	C	NNE	C	C
	30	NNE	N	N	NNE	NE	S	SSW	S	SE	SE	E	E

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	1.6	3.2	3.2	1.6	0.0	0.8	1.6	0.8	0.8	0.8	2.4	4.8	—
	2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	—
	3	0.0	0.0	0.8	0.0	0.0	0.0	0.8	0.8	1.6	1.6	4.0	4.0	—
	4	3.2	0.0	0.0	0.0	0.0	0.0	0.8	1.6	6.4	6.4	8.0	9.7	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	5.6	6.4	8.0	8.0	—
	6	0.0	0.8	0.0	0.0	0.0	0.0	1.6	0.0	0.8	1.6	6.4	5.6	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	3.2	3.2	—
	8	0.0	0.0	0.0	3.2	1.6	0.0	0.8	1.6	2.4	1.6	0.8	1.6	—
	9	0.0	0.0	0.0	0.0	1.6	0.8	0.0	0.8	0.8	0.8	1.6	4.8	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.4	2.4	2.4	3.2	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	4.8	4.8	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	1.6	1.6	3.2	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	4.8	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	1.6	1.6	1.6	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	0.8	0.8	—
	18	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8	6.4	—
	19	0.8	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.0	5.6	8.9	13.7	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	8.0	7.2	5.6	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	1.6	1.6	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	4.8	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	4.0	4.0	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	1.6	0.8	0.8	4.0	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	2.4	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	3.2	—
Hourly Means.		0.27	0.16	0.13	0.16	0.11	0.08	0.32	0.56	1.84	2.40	2.96	4.14	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	6.4	4.0	4.0	3.2	0.8	0.0	0.0	0.8	1.6	4.0	3.2	0.8	2.10
	2	0.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.27
	3	4.0	4.0	4.8	8.0	12.1	6.4	3.2	8.0	8.0	6.4	2.4	1.6	3.44
	4	9.7	8.0	8.0	8.0	6.4	5.6	3.2	1.6	1.6	0.0	0.0	0.0	3.68
	5	8.0	8.0	6.4	6.4	3.2	3.2	0.8	0.0	0.0	0.8	0.0	0.0	2.77
	6	4.8	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.07
	7	3.2	4.0	7.2	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.53
	8	2.4	4.0	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.07
	9	6.4	3.2	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00
	10	4.0	4.8	6.4	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.37
	11	4.8	3.2	3.2	5.6	3.2	3.2	6.4	0.0	0.0	0.0	0.0	0.0	1.90
	12	3.2	6.4	7.2	8.0	5.6	3.2	1.6	3.2	3.2	0.0	0.0	0.0	2.07
	13	8.0	9.7	9.7	6.4	5.6	8.0	3.2	1.6	0.0	0.0	0.0	0.0	2.64
	14	3.2	4.8	4.8	4.8	4.8	1.6	0.8	0.8	0.0	0.8	0.0	0.8	1.43
	15	6.4	6.4	6.4	6.4	4.8	9.7	0.8	1.6	0.8	0.8	0.0	0.0	2.37
	16	4.8	5.6	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93
	17	1.6	1.6	3.2	3.2	1.6	0.8	0.0	0.8	0.8	3.2	3.2	3.2	1.13
	18	9.7	9.7	4.8	3.2	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.74
	19	7.2	7.2	6.4	12.1	7.2	4.8	1.6	0.8	0.0	0.0	0.0	0.0	3.51
	20	11.3	3.2	4.0	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.14
	21	3.2	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.80
	22	4.0	4.8	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.13
	23	6.4	9.7	8.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.57
	24	8.9	6.4	8.9	4.8	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.01
	25	4.0	4.8	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93
	26	3.2	3.2	4.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.83
	27	3.2	4.8	8.0	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30
	28	3.2	5.6	8.0	6.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.37
	29	1.6	4.0	6.4	4.8	1.6	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.03
	30	6.4	6.4	4.8	1.6	1.6	4.8	7.2	6.4	8.0	8.0	4.8	0.8	2.80
Hourly Means.		5.13	5.16	5.15	4.30	2.54	1.87	0.96	0.85	0.80	0.83	0.53	0.29	1.73

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	8	6	8	10	8	10	10	10	9	9	9	9	—
	2	10	10	10	10	6	9	10	9	10	10	10	9	—
	3	6	7	9	6	7	10	4	3	7	8	9	8	—
	4	10	10	10	9	10	10	10	10	10	10	10	10	—
	5	10	10	10	10	10	10	10	10	10	10	10	10	—
	6	7	2	9	10	9	10	7	5	7	6	7	9	—
	7	1	1	2	1	1	1	3	7	6	6	9	9	—
	8	6	6	9	9	10	10	10	10	10	10	8	7	—
	9	3	2	7	10	10	10	10	10	10	6	9	7	—
	10	3	3	4	4	3	3	2	2	3	4	5	5	—
	11	2	2	2	9	9	10	10	9	8	7	7	7	—
	12	3	4	3	2	4	2	9	9	9	9	9	9	—
	13	6	5	5	5	9	7	8	6	4	6	7	9	—
	14	2	3	2	2	3	5	10	10	10	10	10	9	—
	15	10	10	10	10	10	9	10	9	5	5	3	6	—
	16	10	8	7	5	9	10	10	10	9	6	9	9	—
	17	3	2	2	3	3	6	10	10	9	7	9	10	—
	18	10	10	10	10	10	10	7	8	8	8	9	10	—
	19	9	10	10	10	10	10	6	10	9	10	10	10	—
	20	2	7	3	2	0	1	4	4	2	2	4	7	—
	21	1	1	2	3	2	2	2	5	6	5	7	7	—
	22	1	1	3	2	2	2	3	2	0	0	1	1	—
	23	4	2	2	2	6	6	2	1	1	2	3	3	—
	24	1	1	0	0	2	3	1	1	5	3	6	9	—
	25	6	4	2	4	4	6	10	10	10	10	10	10	—
	26	9	9	5	7	6	4	2	0	0	0	3	4	—
	27	1	3	2	1	2	5	10	9	8	8	6	7	—
	28	5	4	4	3	3	6	3	3	2	6	6	7	—
	29	8	2	2	0	0	2	2	0	0	0	5	6	—
	30	8	7	2	2	1	2	3	3	5	10	10	10	—
Hourly Means.		5.5	5.1	5.2	5.4	5.6	6.4	6.6	6.5	6.4	6.4	7.3	7.8	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	9	10	10	10	10	10	9	6	10	10	10	10	9.2
	2	9	10	10	10	10	10	10	10	10	10	10	8	9.6
	3	9	9	9	9	10	10	10	10	10	10	10	10	8.3
	4	9	9	9	9	9	9	2	4	1	1	4	9	8.1
	5	9	8	7	6	8	3	3	7	8	7	7	3	8.2
	6	10	10	10	10	9	10	4	4	2	6	6	5	7.3
	7	9	9	9	9	10	6	4	3	3	1	2	3	4.8
	8	7	2	8	5	8	3	2	1	0	1	1	4	6.1
	9	8	9	8	9	9	9	9	10	3	5	4	4	7.5
	10	6	5	6	7	6	6	4	3	3	4	2	2	4.0
	11	4	4	10	9	10	10	10	10	10	6	7	6	7.4
	12	10	7	6	6	5	9	7	7	3	2	2	3	5.8
	13	2	2	3	3	8	10	9	9	10	7	8	7	6.5
	14	8	7	9	9	8	10	9	10	10	10	10	10	7.8
	15	6	5	7	5	7	10	10	10	10	9	9	9	8.1
	16	9	10	10	10	10	10	9	10	10	10	10	10	9.2
	17	7	6	6	7	8	6	4	5	5	3	6	9	6.1
	18	10	10	10	10	10	10	5	7	10	9	8	10	9.1
	19	7	8	8	6	7	9	7	7	5	3	2	5	7.8
	20	10	10	6	5	4	6	4	2	3	3	4	4	4.1
	21	6	8	10	10	10	10	10	10	6	4	4	2	5.5
	22	3	4	3	2	1	2	5	5	5	3	6	3	2.5
	23	4	2	1	9	3	2	3	1	0	1	1	2	2.6
	24	9	6	6	4	4	7	3	9	2	2	4	5	3.9
	25	10	10	10	6	5	6	3	1	6	7	8	8	6.9
	26	5	3	2	1	0	1	3	7	6	7	7	8	4.1
	27	9	7	5	4	2	2	3	7	2	3	10	3	5.0
	28	4	5	7	9	10	8	1	7	8	9	6	6	5.5
	29	7	8	7	7	6	8	3	7	3	6	1	4	3.9
	30	10	10	10	10	10	10	10	10	10	10	10	10	7.6
Hourly Means.		7.5	7.1	7.4	7.2	7.2	7.4	5.8	6.6	5.8	5.6	6.0	6.1	6.41

DURATION OF SUNSHINE.

	Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
JUNE.	1	0	2	0	0	0	2	4	2	8	2	0	3	0	1	1	1	1.6
	2	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0.2
	3	6	8	4	1	2	0	0	0	1	0	0	0	0	0	0	0	1.4
	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
	5	0	1	1	0	1	1	1	0	0	1	0	3	3	8	8	10	2.4
	6	4	0	2	7	8	4	3	2	1	4	3	1	3	2	0	0	2.8
	7	3	4	6	9	9	6	3	4	4	0	0	0	3	7	7	3	4.3
	8	0	0	0	0	0	4	7	5	4	7	6	6	9	8	3	3	3.9
	9	0	0	1	2	6	10	10	10	7	4	6	5	5	4	4	1	4.7
	10	10	10	10	9	9	7	6	8	9	8	8	9	9	9	6	3	8.1
	11	0	2	6	10	10	8	9	7	8	7	8	9	9	4	1	5	6.4
	12	2	3	4	3	2	2	0	1	7	7	4	6	6	7	8	9	4.4
	13	4	3	9	7	10	10	6	3	3	9	10	10	10	10	9	8	7.6
	14	2	0	0	0	0	0	0	3	6	2	5	5	5	2	0	0	1.9
	15	3	7	10	8	6	9	9	8	7	7	7	6	6	5	5	7	6.9
	16	0	0	4	8	10	9	4	1	1	7	8	6	2	0	0	0	3.8
	17	0	0	7	8	9	6	6	1	0	3	3	5	6	4	1	0	3.7
	18	2	3	1	2	4	0	0	0	0	0	0	0	0	0	0	0	0.8
	19	0	1	0	0	0	1	0	4	2	1	5	0	3	0	1	6	1.5
	20	2	9	10	10	10	9	10	7	5	7	1	0	3	7	10	10	6.9
	21	7	4	8	2	10	10	5	4	6	8	9	7	7	2	0	1	5.6
	22	10	10	10	10	10	10	10	10	7	6	8	10	10	9	10	10	9.4
	23	10	10	10	10	10	7	9	9	10	9	7	9	10	10	10	8	9.3
	24	9	9	8	10	10	7	6	7	6	4	5	0	6	8	10	8	7.1
	25	2	0	0	0	1	8	2	7	8	4	0	1	2	0	0	2	2.3
	26	10	10	10	10	10	10	10	10	10	6	10	10	10	10	10	10	9.8
	27	0	2	1	1	5	7	6	9	8	6	4	7	8	4	6	6	5.0
	28	10	10	10	8	6	7	6	2	7	7	6	6	7	7	6	4	6.8
	29	10	10	10	10	10	10	9	10	5	4	7	0	1	1	3	3	6.4
	30	6	2	7	6	1	0	0	0	0	0	0	0	0	0	0	0	1.4
	Hourly Means.	3.7	4.0	5.0	5.0	5.6	5.5	4.7	4.5	4.7	4.4	4.4	4.1	4.8	4.3	4.0	3.9	4.54

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

JUNE.

Mean Batavia Time.	$7^{h}30$ A. M.	8	$8^{h}30$	9	$9^{h}30$	10	$10^{h}30$	11	$11^{h}30$	12	0 30 P. M.	1	$1^{h}30$	2	$2^{h}30$	3	$3^{h}30$	4	$4^{h}30$
1	25.1	27.4	29.9	34.2	37.9	40.0	40.2	48.4	49.4	53.3	—	—	—	—	—	—	—	—	—
2	—	—	—	—	34.2	35.4	36.4	37.9	38.5	40.2	41.0	42.1	40.8	38.9	38.8	36.4	34.6	32.1	31.0
3	30.1	34.9	35.0	41.9	37.4	43.6	43.1	42.0	42.4	43.8	40.3	39.3	41.2	40.1	40.2	38.4	39.1	34.7	32.6
4	25.9	28.4	31.5	31.9	32.4	33.4	33.4	34.4	34.1	36.4	35.2	36.2	36.0	34.1	33.9	32.9	32.4	30.9	28.9
5	25.6	30.4	34.8	39.3	36.9	38.9	42.7	43.6	42.8	40.2	43.1	40.4	42.9	43.5	41.9	48.4	46.9	44.6	35 0
6	25.5	41.4	37 0	39.6	41.7	51.4	54.4	43.1	38 1	42.9	42 6	41.9	42.2	37.1	38.0	34.9	32.8	31 4	29.9
7	29.9	33.9	35.1	38.4	44.6	48.5	51.1	44.6	45.0	43.4	43.1	39.4	40.9	38.2	41.9	43.4	43.7	36.9	33.9
8	—	23.9	24.9	26.7	28.4	33.2	36.6	48.4	49.9	51.9	45.7	47.5	44.7	50.4	51.4	46.5	37.2	41.7	36.7
9	—	—	—	—	38.7	43.4	48.2	49.9	51.3	51.4	44.4	47.9	46.6	45.9	44.6	41.1	40.4	35.1	31.9
10	32.6	40.4	44.1	45.4	47.1	46.9	49.6	44.9	44.0	49.9	46.7	43.4	47.1	43.4	45.4	49.9	42.4	36.4	35.4
11	26.3	29.2	36.4	44.9	47.6	48.8	50.5	52.7	49.6	48.1	53.7	51.4	54.1	54.4	52.5	47.1	36.9	37.1	33.9
12	27.2	31.4	31.5	39.4	44.2	42.4	42.7	39.1	39.1	43.7	50.2	45.6	4.36	46.9	44.9	47 4	47.9	44.4	34.5
13	27.1	32.7	37.1	45.9	45.3	42.6	49.2	55.3	54.6	44.8	46.4	48.7	50.4	50.6	50.1	48.4	46.3	44.9	36.3
14	28.4	32.4	36.0	32.0	32.0	32.9	36.2	38.4	42.1	50.9	45.6	43.5	46.1	45 8	46 9	37.9	36 6	32.4	32.4
15	25.4	30.0	35.5	42.9	45.0	46.6	49.4	51.2	51.5	49.4	48.3	48.4	48.8	50.4	49.4	46.4	47.4	43.3	37.3
16	25.6	27.1	28.5	37.1	42.7	50.6	47.8	45.7	44 2	44.9	48.7	50.4	52.0	45.4	40.5	36 4	36.8	35.7	32.0
17	24.6	26.4	27.6	35.4	48.7	50.0	42.6	48.0	41 0	36.0	37.4	41.9	38.7	48.7	48.1	40.0	36.2	35.0	33.0
18	28.2	31.4	35.4	37.8	38.6	42.4	40.2	35.5	34.1	30.5	29.3	—	—	29.3	30.6	31.4	32.4	30.3	29.0
19	28.4	28.9	30.9	35.3	37.3	36.4	36.2	29.8	33.0	42.9	38.5	44.4	46.0	41 7	43.9	39.2	38.9	43.6	35.9
20	27.8	30.7	38.7	45.7	47.1	49.1	49.5	51.4	52.6	48.5	47.1	40.4	33.2	34.9	45.9	46.0	42.4	45.4	38.3
21	33.0	36.9	37.0	48.9	41 1	50.4	51.9	48.4	44.7	45.4	49.7	50.9	53.3	51 4	48.9	35.3	37.9	37.3	38.8
22	32.2	38.9	41.6	45.6	46.8	48.9	49.4	50.4	51.6	51.4	41.1	48.1	51.4	51 9	50.4	47.9	47.4	44.1	35.4
23	34.3	40.9	43.3	46.8	48.2	49.6	50.3	47.6	53.2	52.4	53.0	53.1	43.6	51.5	50.6	48.5	48.1	42.2	31.9
24	30.3	35.9	40.9	38.9	45.0	48.5	47.0	43.9	42 6	46 4	42.9	44.7	46.6	50.4	51.9	49.4	46.5	44.9	37.3
25	28.1	37.2	28.5	27.9	26.0	31.1	41.8	38.0	36.1	52.4	51.6	39.4	37.4	41.8	29.4	34.9	36.9	34.9	33.3
26	32.3	39.6	4.36	46.9	47.2 ·	49.0	49.9	51.9	52.0	53.4	53.4	49.4	53.2	52.3	51.4	49.4	48.2	46.4	37.9
27	24.5	28.8	28.7	35.8	34.4	45.9	46.6	46.3	47.6	51.5	53.7	44.0	49.4	50 4	47.4	45.6	46.4	43.4	32.3
28	31.6	38.8	43.8	45.9	45.0	43.9	46.8	52.4	46.2	51.9	50.5	52.8	51.4	53.5	44.4	46.9	42.1	40.1	34.9
29	32.9	39.9	43.3	47.4	48.3	50.4	50.4	51.9	53.1	47.0	41.4	52 3	45.5	41.6	40.8	40.5	39.4	36.4	32.2
30	24.7	36.7	33.9	41.5	47.4	37.7	35.6	35.4	34.1	30.5	28.9	27.4	—	—	—	—	—	—	—
Means.	28 43	33.38	35.52	39.98	41.24	43.73	44.99	45.02	44 62	45.85	44.60	44.82	45.45	45 16	44.43	42.52	40.86	38.77	34.00

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	5.6	4.3	4.7	5.6	6.0	9.9	8.2	6.5	5.6	4.7	2.2	2.2	—
	2	P N	P N	1.7	9.5	8.2	8.2	19.4	25.8	6.5	3.4	—	—	—
	3	—	—	—	—	—	—	—	4.7	5.6	5.2	4.7	4.7	—
	4	5.2	3.0	3.0	5.2	4.3	5.2	5.6	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	3.4	1.7	3.0	2.2	2.6	—
	6	7.3	4.7	3.9	4.3	4.3	4.3	8.6	4.3	7.7	1.7	1.7	24.5	—
	7	32.3	32.3	28.0	25.8	21.5	17.2	24.5	12.5	10.3	1.7	3.9	3.9	—
	8	21.5	19.8	20.6	31.4	P N	21.5	0.0	9.5	21.1	13.8	4.3	— 2.6	—
	9	23.7	16.3	20.6	17.2	P	23.2	P N	N	7.7	6.9	5.2	4.3	—
	10	24.5	17.2	19.8	20.2	15.5	15.5	26.7	9.5	5.6	2 6	1.7	1.3	—
	11	12.0	9.9	7.3	6.9	6.5	6.9	8.6	8.2	7.3	2.6	2.6	1.7	—
	12	14.2	14.2	12.5	11.6	19.4	25.8	18.1	17.2	12.5	7.7	6.0	3.0	—
	13	6.9	7.3	7.7	7.7	9.0	11.6	19.8	—	—	—	—	—	—
	14	9.9	9.9	9.5	10.8	11.6	14.2	9.9	9.5	7.7	5.6	5.2	1.3	—
	15	12.0	13 8	14.6	8.2	10.3	13.3	25.4	25.4	10.3	2.6	3.0	3.9	—
	16	6.0	9.0	9.9	9.0	10.8	9.9	14.6	8.2	6.0	2.2	2.2	1.7	—
	17	16.8	15.9	17.6	10.3	8.6	12.5	14.6	19.4	9.9	3.4	— 0.4	1.3	—
	18	P N	— 6.9	5.6	10.3	10.3	13.3	20.2	11.6	8.6	5.2	5.2	4.7	—
	19	9.5	12.0	9.9	12.0	16.8	16.3	11.2	16.3	7.3	3.9	4.3	3.4	—
	20	21.1	26.2	22.8	14.2	18.5	25.8	23.7	27.5	5.2	3.9	3.0	2.2	—
	21	13.3	8.6	11.2	6.9	10.3	15.1	24.1	11.6	7.7	5.6	4.3	4.3	—
	22	15.5	16.8	25 8	20.6	15.5	17.2	32.3	10 3	4.7	3.4	2.6	2.2	—
	23	21.5	15.9	12.5	9.9	10.8	17.2	15.1	5.2	3.4	1.7	1.7	2.6	—
	24	19.4	20.2	21.5	15.5	13.8	17.2	12.5	12.5	6.0	1.3	3.4	2.2	—
	25	13.8	11.6	11.2	18.5	36.6	38.7	17.2	P N	P N	P N	P N	3.9	—
	26	17.6	8 6	14.6	12.9	11.2	13.3	14 2	11.2	10.8	4.3	3.9	2.6	—
	27	17.6	11.2	10.3	8.6	8.2	9.0	7.3	12.0	8.2	9.5	3.4	3.0	—
	28	15.1	16 8	12.9	13.8	12.0	20.2	17.6	10.3	6.9	4.3	2.2	3.9	—
	29	9.0	5.6	6.5	6.0	7.3	8.2	12.0	10.3	8.2	4.3	4.3	3.0	—
	30	7.7	7.7	7.7	10.3	10.3	15.1	9.5	—	—	—	—	—	—
Hourly Means.		14.6	12.3	12.6	12.3	12.2	15.2	15.6	12.1	7.8	4.4	3.3	3.5	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	3.0	1.7	3.9	3.4	3.9	6.0	19.8	2.6	9.0	P N	P N	P N	5.7
	2	—	—	—	—	—	—	—	—	—	—	—	—	10.3
	3	5.2	4.7	5.2	6 0	4.3	6.9	8.2	3.9	3.4	4.3	5.2	12.0	5.5
	4	—	—	—	—	—	—	—	—	—	—	—	—	4.5
	5	2.2	3.0	3.0	5.2	8.2	9.5	5.2	7.7	6.5	6.0	6.5	5 6	4.8
	6	12.5	5.6	7.3	7.3	6.9	14.2	15.5	15.1	12.5	12.5	19.8	22.8	9.6
	7	3.9	3.0	3.0	4.7	5.6	6.9	13.8	13.8	17.6	20.2	21.5	22.4	14.6
	8	3.4	2.6	3.0	6.0	6.0	9.5	13.8	18.1	16.3	15.9	21.1	15.9	12.7
	9	4.3	3.4	3.9	4.3	7.7	10.3	13.8	24.1	18.5	14.6	20.2	19.4	12.8
	10	2.2	3.4	3.0	3.4	4.3	6.9	12.9	18.5	18.1	17.6	9.0	9.5	11.2
	11	2.6	3.0	4.3	6.9	6.5	P N	P N	P N	P N	17.6	13.8	14.6	7.5
	12	1.3	3.0	5.2	9.9	9.0	28.0	32.3	18.9	6.0	8.2	10.3	10.3	12.7
	13	—	—	—	—	21.5	21.5	—	—	6.5	10.3	13.3	6.0	11.5
	14	3.4	2.6	3.9	5.6	P N	P N	P N	9.5	1.7	P N	P N	8.6	7.4
	15	5.2	3.9	3.9	5.2	P N	P N	P N	8.2	8.2	8.2	9.5	6.9	9.6
	16	1.3	1.7	3.0	3.4	4.7	6.0	8.6	14.2	13.8	17.6	13.3	14.2	8.0
	17	1.7	2.6	3.0	3.4	5.6	6.9	10.8	13.3	6.0	8.2	5.6	— 6.5	7.9
	18	5.6	2.2	4.3	6.0	7.7	6.9	22.4	18.5	15.9	6.9	12.9	9.0	9.0
	18	2.2	3.0	4.3	3.9	6.0	7.7	12.9	14.2	13.3	19.8	20.6	31.4	10.9
	20	2.2	3.9	3.4	3.0	5.2	7.7	14.6	16.8	19.8	16.8	10.3	18.5	13.2
	21	3.9	5.2	0.4	6.9	2.2	P N	P N	P N	5.6	15.1	15.5	17.2	9.3
	22	2.6	3.0	2.2	3.0	4.7	5.6	8.2	13.8	5.6	8.2	9.0	15.1	10.3
	23	2.2	3.4	6.0	3.9	4.3	6.9	10.3	19.8	15.1	—	—	—	9.0
	24	8.6	9.0	4.3	6.9	7.3	15.5	13.3	17.2	11.6	9.9	11.6	9.9	11.3
	25	3.0	21.5	8.6	7.7	3.9	7.3	15.9	15.1	13.8	14.6	18.9	14.6	14.8
	26	3.9	2.6	3.0	3.0	2.6	9.0	9.9	11.6	11.6	12.5	26.7	28.8	10.4
	27	3.4	3.4	4.3	3.9	5.2	5.6	7.3	14.6	12.5	12.5	12.9	13.8	8.7
	28	3.4	5.2	3.0	4.3	5.6	7.7	11.2	12.5	10.8	12.9	10.8	10.3	9.7
	29	3.0	3.0	2.6	3.4	5.2	6.9	7.7	12.9	12.5	15.9	6.5	9.9	7.3
	30	—	—	—	—	—	—	—	—	—	—	—	—	9.8
Hourly Means.		3.7	4.2	3.9	5.0	6.2	9.5	13.1	14.0	11.2	12.8	13.5	13.6	9.86

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	8.27	8.23	8.36	8.28	8.35	8.36	8.86	9.52	9.94	9.92	9.54	8.81	—
	2	9.63	9.34	9.10	9.15	9.06	9.57	9.95	10.95	11.89	11.85	11.44	10.94	—
	3	10.71	10.12	9.52	9.35	9 70	9.91	9.77	10.56	10.77	10.61	10.69	10.23	—
	4	9.94	9.76	9.52	9.30	9.58	9.87	10.20	10.48	10.72	10.35	9.73	9.31	—
	5	10.01	9.92	9.64	9.64	9.90	9.97	10.30	10.65	10.57	10.56	10.16	9.55	—
	6	10.33	9.90	9.76	9.74	9.55	9 62	9.91	10.26	10 60	10.54	10.03	9.51	—
	7	9.91	9.49	9.19	8.90	8.93	9.05	9.62	10.16	10.46	10.30	9.99	9.47	—
	8	9.89	9.71	9.57	9 61	9.94	9.95	10.37	10.82	11.02	10.71	10.14	9.14	—
	9	9.96	9.59	9 61	9.64	9.72	10.15	10.64	11.14	11.51	10.96	10.73	10.17	—
	10	10.52	10.11	9.50	9.90	10.01	10.16	10 53	11.25	11.47	11.04	10.57	9.84	—
	11	10.19	9.50	9.16	9.14	9.22	9.12	9.70	9.99	10.04	9.74	9.13	8.33	—
	12	9.71	9.34	8.91	8.69	8.71	8.97	9.24	9.62	9.60	9.74	9.33	8.54	—
	13	8.80	8.38	7.90	7.97	8.11	8.59	9.00	9.64	9.56	9.60	9.29	9.08	—
	14	9.25	8.78	8.32	8.20	8.21	8.87	9.09	9.92	10.07	9.80	9.29	8.65	—
	15	9.15	8.61	8.15	7.92	8.47	8.89	9.33	9.82	10.20	10.00	9.70	9.24	—
	16	9.09	8.62	8.25	8.46	8.49	8.92	9.07	9.61	9.61	9.31	8.69	8.05	—
	17	8.09	7.91	7.65	7.36	7.62.	7.89	8.27	8.62	8.80	8.53	7.91	7.18	—
	18	8.36	8.08	7.95	7.85	7.91	8 02	8.37	8.71	8.92	8.86	8.69	8.33	—
	19	9.09	8.93	8.75	8.68	8.86	8.89	9.52	9.87	9.96	9.99	9.58	8.89	—
	20	9.24	8.95	8.56	8.48	8.49	8.74	8.96	9.49	9.69	9.61	9.50	8.89	—
	21	10.16	9.61	8.96	8.42	8.40	8.62	8.95	9.30	9.89	9.89	9.74	9.14	—
	22	8.80	8.52	8.27	8.58	8.65	8.92	9.23	9.98	10.29	10.04	9.72	9.09	—
	23	11.02	10.79	10.52	10.57	10.62	10.90	11.08	11.53	11.62	11.90	11.49	10.75	—
	24	10.22	9.75	9.57	9.58	9.62	9.93	10.46	10.75	11.02	11.01	10.80	9.89	—
	25	10.40	9.91	9.31	9.48	9.70	10.00	10.52	10.86	11.00	10.34	9.85	9.45	—
	26	9.86	9.44	9.19	9.20	9.35	9.71	10.07	10.47	10.74	10.39	10.10	9.53	—
	27	10.27	9 99	9.57	9 43	9.62	9.75	10.06	10.73	10.71	10.54	10.23	9.54	—
	28	9.92	9.27	9.09	8.81	9.12	9.32	9.48	9.87	9.92	9.73	9.73	8.93	—
	29	8.81	8.57	8.29	8.01	8.28	8.15	9.02	9.35	9.29	9.36	9.18	8.68	—
	30	8.92	8.66	8.07	8.05	7.91	8.28	8.92	9.52	9.85	9.62	9.03	8.45	—
	31	9.12	9.12	8.72	8.47	8.85	9.21	9 71	10.64	10.86	10.63	10.38	9.68	—
Hourly Means.		9.60	9.25	8.93	8.87	9.00	9.24	9.62	10.13	10.34	10.18	9.82	9.20	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	8.25	7.63	7.44	7.33	7.82	8.37	9.31	10.06	10.29	10.54	10 63	10.10	8.93
	2	10.48	9.75	9.39	9.11	9.52	9.94	10.36	11.00	11.65	11.82	11.34	11.00	10.34
	3	9.65	9.13	8.66	8.66	8.78	9.21	10.09	10.43	10.74	10.96	10.84	10.71	9.99
	4	9.03	8.48	8.25	8.31	8.34	8.77	8.91	9.64	10.19	10.26	10.36	10.29	9.57
	5	9.18	8.58	8.21	8 39	8.58	9.14	9.28	9.89	10.44	10.67	10.78	10.74	9.78
	6	9.11	8.66	8.16	8 04	8.20	8.32	8.93	9.44	10.00	10.49	10.55	10.58	9.59
	7	9.22	8.51	8.32	8.66	9.04	9.22	9.80	10.06	10.30	10.48	10.26	10.04	9.56
	8	8.45	7.80	7.25	7.15	7.58	8.34	9.16	9.89	10.53	10.83	10.63	10.53	9.54
	9	9.56	8.86	8.76	9.01	9.31	10.01	10.25	10.74	10.91	11.06	10.81	10.80	10.16
	10	9.39	8.58	8.13	8.15	8.44	8.70	9.20	9.70	10.23	10 47	10.38	10.19	9.85
	11	7.75	7.26	6.66	6.85	6.99	7.19	7.80	8.41	9.55	9.78	9.70	9.79	8.79
	12	7.88	7.04	6.45	6.56	6.92	7.49	8.00	8.65	9.20	9 24	9.61	9.24	8.61
	13	8.39	7.81	7.33	7.12	7.47	7.77	8 52	9.19	9.68	9.70	9 73	9.63	8.68
	14	8.93	8.26	7.76	7.62	8.14	8.38	8.98	9.51	9.64	9 78	9.57	9.39	8.93
	15	8.73	8.33	7.89	7.76	7 75	7.90	8.50	8.95	9.43	9.69	9.79	9 63	8.91
	16	7.26	6.71	6.26	6.18	6.51	6 72	7.57	8.06	8.63	8.74	8.73	8.55	8.17
	17	6 63	6.13	5.82	5.87	6.07	6.19	6.75	7.58	8.02	8.29	8.38	8.20	7.49
	18	7.82	7.07	6.76	6.68	6.73	7.08	7.39	8.13	8.80	9.33	9.47	9.47	8.12
	19	8.13	7.51	7.11	7.16	7.41	7.87	8.58	9.14	9.31	9.63	9.48	9.70	8.84
	20	8.51	8.27	8.02	8.43	8.80	9.01	9.21	9.87	10.29	10.31	10.32	10.45	9.17
	21	8.67	7.99	7.66	7.86	8.27	8.86	9.10	9.40	9.86	9.61	9.41	9.42	9.05
	22	8.74	8.31	7.78	8.06	8.42	8 79	9.20	9.78	10.53	10.76	10.89	10.95	9.26
	23	10.04	9.28	8.74	8.69	9.17	9.71	10.23	10.38	10.44	10.81	10.65	10.40	10.47
	24	9.41	9.19	8.86	8.86	9.17	9.78	10.04	10.58	10.96	11.41	11.30	10.72	10.12
	25	9.19	8.68	8.36	8.36	8.78	9.23	9.66	10.09	10.49	10.70	10.66	10.44	9.81
	26	8.99	8.67	8.43	8.21	8.84	9.39	9.75	10.72	11.30	11.40	11.25	10.97	9.83
	27	8.69	8.45	8.02	7 93	7.82	8.29	9.10	9.76	10.00	10.35	10.20	9.95	9.54
	28	8.65	7.79	7.49	7.39	7.53	7.87	8.50	9.04	9.56	9.59	9.71	8.77	8.96
	29	8.04	7.58	7.51	7.29	7.66	8.05	8.17	8.99	9.40	9.52	9.27	9.10	8.57
	30	8.03	7.23	6.77	6.64	6.50	7.29	7.93	8.98	9.89	9.35	9.54	9.61	8.46
	31	9.10	8.42	7.81	7.82	8.21	8.27	9.13	10.00	10.25	10.51	10.51	10.12	9.40
Hourly Means.		8.71	8.13	7.74	7.75	8.02	8.42	8.95	9.55	10.02	10.20	10.15	9.98	9.24

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	72.8	72.0	71.8	71.6	71.2	71.5	72.2	73.7	76.0	77.0	82.0	83.0	—
	2	75.8	75.5	74.7	74.1	73.5	73.2	73.0	74.0	73.2	71.6	72.4	73.6	—
	3	74.0	73.2	72.7	72.5	72.0	72.0	72.7	75.1	77.0	79.0	80.5	81.3	—
	4	74.6	74.0	73.8	73.3	72.7	72.6	72.6	73.2	74.7	78.5	81.5	83.9	—
	5	74.2	74.0	74.0	73.6	73.5	73.1	73.1	75.7	79.1	81.4	82.8	84.3	—
	6	76.4	76.0	75.4	74.6	74.1	73.5	74.0	75.8	79.0	81.5	83.2	84.7	—
	7	76.2	75.8	75.5	75.3	74.6	73.9	74.0	75.9	77.4	80.0	83.0	83.2	—
	8	74.5	74.5	74.0	73.6	73.6	73.2	73.2	74.5	77.0	78.2	81.0	84.6	—
	9	76.0	75.4	74.8	74.2	73.3	72.8	72.7	74.8	76.0	80.6	83.1	83.5	—
	10	71.7	71.0	71.0	70.8	70.8	70.4	71.1	73.5	76.9	79.7	82.0	83.2	—
	11	76.2	75.6	75.0	73.8	73.0	72.3	72.7	74.3	77.8	80.5	83.0	84.3	—
	12	74.6	73.8	73.2	73.1	72.8	72.8	73.1	74.5	77.6	79.8	82.0	83.2	—
	13	75.5	75.0	74.6	74.4	73.8	73.0	73.0	75.0	79.4	81.8	83.4	83.2	—
	14	75.2	74.6	74.0	73.5	73.2	73.0	72.7	74.5	77.3	79.8	82.9	84.0	—
	15	74.7	74.3	74.0	73.4	72.6	72.3	72.2	72.7	74.0	75.8	7.76	80.8	—
	16	75.0	74.4	73.8	73.3	72.5	71.8	71.9	73.8	77.6	80.8	82.6	84.2	—
	17	75.1	74.4	74.0	73.5	73.7	73.1	72.9	75.0	78.3	81.3	83.3	84.8	—
	18	75.6	75.1	74.6	73.9	73.1	72.7	72.4	74.2	78.0	81.4	83.9	85.3	—
	19	76.2	75.4	75.0	74.4	74.2	74.0	74.4	76.6	80.0	82.0	84.1	85.5	—
	20	75.4	75.0	74.8	74.2	74.1	74.0	74.0	75.0	77.2	80.2	80.6	81.0	—
	21	72.7	72.7	72.4	71.8	71.8	71.6	72.0	73.5	76.1	78.0	80.2	82.0	—
	22	73.4	73.2	72.8	72.6	72.4	72.0	72.5	74.4	77.2	79.6	82.3	83.1	—
	23	73.5	73.1	72.5	72.5	72.0	71.9	72.0	72.4	72.7	73.4	74.4	77.0	—
	24	73.9	73.1	72.5	72.2	71.6	71.2	71.2	72.2	75.0	78.6	80.5	81.5	—
	25	73.0	72.8	72.4	72.1	72.3	72.2	72.4	73.0	73.3	74.5	77.2	78.8	—
	26	74.8	74.2	73.8	73.6	73.4	72.8	73.6	75.5	78.2	80.0	82.7	83.1	—
	27	73.4	72.7	72.5	72.0	71.8	71.5	71.8	74.3	78.0	80.3	82.3	83.3	—
	28	74.0	73.9	73.4	73.0	73.0	73.0	73.0	75.1	78.7	81.2	82.2	83.1	—
	29	74.2	73.8	73.3	73.0	72.6	72.4	72.2	74.0	77.6	80.5	81.4	82.8	—
	30	72.2	72.0	71.7	71.4	70.6	70.6	71.1	73.3	76.3	77.5	80.0	82.5	—
	31	74.1	74.2	73.8	73.5	73.3	72.8	73.2	74.6	76.4	79.3	81.1	82.3	—
Hourly Means.		74.48	74.02	73.61	73.18	72.81	72.49	72.67	74.33	76.87	79.15	81.26	82.62	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	83.7	84.6	84.0	83.7	82.5	81.3	80.1	79.3	78.0	77.7	76.7	76.3	77.61
	2	76.9	79.0	79.8	79.6	78.2	77.0	75.6	75.1	74.9	74.9	74.8	74.4	75.20
	3	81.6	80.6	81.6	81.8	81.4	80.0	79.0	77.5	76.5	75.7	75.1	74.8	76.98
	4	84.5	84.5	85.0	83.8	82.1	81.3	79.7	77.5	76.0	75.6	75.0	74.6	77.71
	5	84.8	86.1	86.0	84.2	83.0	81.6	80.0	78.6	78.6	78.0	77.8	77.0	78.94
	6	85.0	85.0	84.6	83.5	82.3	80.6	79.3	77.8	77.0	77.0	77.0	76.4	78.90
	7	83.2	82.6	82.0	81.6	81.2	80.2	78.4	77.7	77.6	76.4	75.7	75.0	78.18
	8	86.0	86.7	86.7	86.7	85.7	83.0	81.4	80.2	79.0	78.0	77.0	76.2	79.10
	9	82.2	82.0	83.8	83.4	82.4	79.0	75.5	74.3	73.7	73.0	72.8	71.9	77.13
	10	83.7	84.0	84.1	83.6	82.1	80.9	80.0	78.6	78.2	77.8	77.0	76.4	77.44
	11	85.4	84.4	83.6	82.7	82.0	80.8	79.5	78.3	77.5	76.9	76.5	76.7	78.45
	12	82.8	83.1	83.3	83.2	82.7	81.0	79.8	78.4	77.5	76.8	76.6	76.2	78.00
	13	83.4	83.6	83.6	83.5	82.3	80.8	79.5	78.5	78.0	77.6	76.6	76.0	78.56
	14	83.7	84.3	83.5	83.0	82.0	80.9	80.0	79.0	78.6	77.3	76.0	75.4	78.27
	15	82.1	82.4	81.9	81.1	81.0	79.9	78.7	77.7	77.0	76.8	76.1	75.7	76.87
	16	84.1	84.6	83.2	83.2	82.4	81.0	80.0	79.0	78.5	77.5	77.2	75.6	78.25
	17	84.4	84.2	83.1	82.6	81.7	80.3	78.1	77.3	77.1	77.0	76.2	75.8	78.22
	18	86.0	85.0	84.3	83.6	83.0	81.7	80.6	79.0	78.4	77.2	77.2	76.5	78.86
	19	86.1	86.1	86.3	85.2	83.4	82.1	80.6	78.9	77.3	76.6	76.4	75.8	79.44
	20	81.5	80.7	80.0	74.7	74.0	74.1	74.5	74.0	73.8	73.6	73.1	73.1	75.94
	21	83.0	83.0	84.0	81.4	79.7	76.7	76.0	74.9	74.9	75.0	74.2	73.7	76.30
	22	83.0	81.5	83.1	83.1	78.5	78.8	76.4	75.0	74.4	74.4	74.3	74.1	76.75
	23	79.5	82.0	83.0	82.2	81.6	80.2	79.0	77.5	76.0	75.5	75.5	74.6	76.00
	24	82.5	81.8	78.8	78.6	78.8	78.6	77.8	76.0	74.9	74.3	73.7	73.1	75.93
	25	80.5	80.9	81.0	80.3	79.5	78.5	77.3	76.5	76.0	75.5	75.2	75.0	75.84
	26	83.9	81.5	81.7	82.7	81.9	80.3	78.7	77.0	76.4	75.5	74.3	73.6	77.63
	27	85.2	83.7	83.8	82.6	82.0	80.7	79.4	78.4	77.4	75.4	75.0	74.8	77.60
	28	78.3	76.3	78.7	79.2	79.2	77.7	77.0	76.2	75.8	75.0	74.5	74.2	76.49
	29	82.0	80.2	80.2	79.9	80.9	79.0	76.0	75.2	74.6	74.0	73.1	72.6	76.48
	30	83.9	83.0	84.0	83.0	82.1	81.0	79.7	76.7	74.1	74.1	74.1	74.1	76.61
	31	83.1	83.6	83.3	82.9	81.9	80.3	78.9	77.2	76.4	75.1	74.1	73.3	77.45
Hourly Means.		83.10	82.94	82.97	82.28	81.34	79.98	78.60	77.33	76.58	75.97	75.45	74.93	77.46

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	859	892	909	918	935	927	867	828	776	772	713	696	—
	2	931	939	947	956	956	955	920	912	869	936	946	929	—
	3	912	903	919	928	928	946	937	872	843	785	725	699	—
	4	896	903	887	911	929	937	937	937	913	815	728	693	—
	5	930	938	938	946	946	937	937	905	823	735	684	636	—
	6	940	931	947	947	938	938	921	905	801	735	684	657	—
	7	915	923	931	930	930	938	921	856	836	760	671	685	—
	8	921	930	921	920	920	946	946	922	812	777	726	644	—
	9	948	939	939	938	946	929	919	880	857	805	725	699	—
	10	945	963	954	954	945	954	954	914	811	758	729	718	—
	11	966	957	956	938	929	936	929	913	820	746	690	655	—
	12	854	887	903	911	929	937	937	930	844	803	737	712	—
	13	922	930	930	930	929	937	937	905	773	736	672	664	—
	14	914	921	930	946	937	929	929	897	828	751	630	667	—
	15	888	896	903	903	929	919	928	910	895	864	820	696	—
	16	939	939	938	929	937	946	928	887	812	716	661	673	—
	17	905	921	938	938	929	929	920	863	799	719	685	638	—
	18	923	930	939	921	902	910	919	878	807	699	577	571	—
	19	899	922	922	921	930	930	921	866	736	660	630	609	—
	20	864	913	922	947	930	947	938	930	875	789	790	776	—
	21	955	955	964	955	946	936	940	877	825	814	759	742	—
	22	946	955	955	946	946	946	946	904	835	758	709	671	—
	23	947	946	955	955	955	964	964	964	955	946	913	867	—
	24	930	955	946	946	955	954	954	928	880	785	739	728	—
	25	937	955	955	964	955	955	964	955	956	922	851	800	—
	26	956	947	956	956	956	973	956	930	846	810	710	725	—
	27	937	946	946	955	955	963	946	913	807	731	701	691	—
	28	921	921	929	946	946	946	955	889	778	719	709	658	—
	29	930	938	946	955	955	946	955	930	845	768	741	738	—
	30	946	946	946	954	963	963	963	938	866	829	774	669	—
	31	965	965	973	965	965	973	964	973	906	809	769	736	—
Hourly Means.		924	932	937	940	940	943	936	907	840	782	729	701	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	693	657	693	713	758	790	825	839	892	900	916	932	821
	2	795	747	735	749	814	900	914	905	904	913	913	921	892
	3	707	768	735	749	770	825	831	835	857	856	872	897	837
	4	663	636	665	714	786	783	848	867	872	889	897	913	834
	5	658	649	636	688	718	763	832	877	868	892	907	932	824
	6	703	697	636	665	715	789	839	875	899	899	907	906	828
	7	704	716	742	756	776	803	830	828	867	899	914	922	836
	8	551	584	542	542	623	780	813	842	885	917	932	948	806
	9	715	715	706	719	737	822	914	921	911	929	919	945	853
	10	699	687	688	673	721	768	817	877	884	892	949	966	842
	11	609	682	705	710	736	789	832	877	892	899	906	899	832
	12	703	732	719	691	683	783	824	861	892	916	915	906	834
	13	678	673	720	645	765	797	840	877	892	900	899	915	828
	14	665	688	692	711	742	782	833	862	869	867	841	864	821
	15	700	716	750	776	790	847	862	892	907	916	923	931	855
	16	693	675	690	690	729	775	810	838	869	900	900	880	823
	17	695	715	712	723	742	753	845	867	875	883	899	905	825
	18	605	665	635	659	663	735	797	854	864	883	892	906	797
	19	593	637	619	653	719	771	767	777	819	850	857	872	787
	20	763	782	803	922	938	947	947	956	947	947	955	955	895
	21	703	724	661	733	779	825	840	871	888	913	921	938	851
	22	663	726	690	739	892	782	890	904	930	939	939	938	856
	23	765	701	684	729	749	774	808	852	906	923	914	922	877
	24	745	757	877	837	838	885	892	873	922	930	956	946	882
	25	753	769	725	752	786	846	900	924	940	948	956	947	892
	26	673	762	756	723	735	796	862	858	857	880	930	929	853
	27	652	699	673	710	736	783	832	877	875	888	888	904	834
	28	893	873	846	785	756	836	866	899	915	930	939	947	867
	29	749	796	818	833	754	862	923	939	939	938	946	946	879
	30	634	697	634	663	694	755	795	899	956	947	965	965	848
	31	711	692	684	696	707	766	822	867	841	897	878	903	851
Hourly Means.		695	710	706	721	753	803	847	874	891	906	914	923	844

DIRECTION OF THE WIND.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	E	E	C	C	E	E	C	ESE	SE	ESE	SE	E
	2	C	C	C	C	C	C	C	ESE	NW	NW	C	NW
	3	C	C	C	C	C	C	C	C	C	NW	N	NNE
	4	WNW	C	C	C	C	C	C	WNW	W	S	E	E
	5	C	C	C	C	C	C	C	ESE	SSW	ESE	S	S
	6	C	C	C	C	NE	C	C	NE	ENE	NE	NE	ENE
	7	C	C	C	C	C	C	NE	NE	C	WSW	NE	NE
	8	S	C	C	C	C	C	C	C	S	S	S	SE
	9	C	C	C	C	C	C	C	NNE	SE	SE	NE	E
	10	C	C	C	C	C	C	C	C	C	E	NE	NE
	11	C	C	C	C	C	C	C	C	SSE	E	E	E
	12	N	C	C	C	C	W	C	C	WSW	E	E	E
	13	C	C	C	C	C	C	C	NE	ENE	ENE	E	E
	14	C	C	C	C	C	C	C	C	N	NNW	NE	NNE
	15	C	C	C	C	C	C	C	C	C	C	C	NW
	16	C	C	C	C	C	C	C	C	C	NW	NW	N
	17	C	C	C	C	C	C	C	S	S	SE	NE	NE
	18	C	C	NE	NE	NE	C	NE	C	E	SSE	NE	E
	19	C	C	C	C	C	C	C	SSE	S	ENE	E	ENE
	20	C	C	C	C	C	C	C	C	WSW	NW	NW	N
	21	C	C	C	C	SSW	SSW	S	S	ESE	E	ENE	ENE
	22	C	C	C	SSE	SSE	SSE	C	C	ESE	ESE	E	E
	23	NNW	N	N	N	ENE	ENE	ENE	ESE	ESE	SE	SE	SE
	24	C	C	C	C	ENE	SSE	C	C	SSE	S	ENE	NE
	25	S	S	C	C	C	C	C	C	S	SE	NE	ENE
	26	C	C	C	C	C	C	C	C	N	WSW	NNW	N
	27	C	C	C	C	C	C	C	SSW	SE	ENE	ENE	ENE
	28	C	C	C	C	C	C	C	S	S	NW	WNW	WNW
	29	W	C	C	SSW	C	C	C	SSW	SSW	E	ENE	N
	30	C	C	C	C	C	C	C	C	SSW	C	S	NE
	31	C	C	C	C	C	C	C	S	C	SW	NW	NW

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12
JULY.	1	E	ENE	ENE	ENE	ENE	ENE	E	E	C	C	C	C
	2	WNW	NW	NW	WNW	C	C	C	C	C	C	C	C
	3	C	C	C	C	C	C	NW	C	C	W	C	W
	4	E	E	ENE	NE	ENE	E	E	ESE	C	C	C	C
	5	W	N	NE	NNE	NNE	NE	C	C	C	C	C	C
	6	N	NE	N	NNE	NNE	NE	C	C	C	C	C	C
	7	NE	N	NE	NNE	NE	NNE	NNE	NE	NE	NE	S	S
	8	E	E	E	E	NE	NNE	NNE	C	C	C	C	C
	9	NNE	NNE	NNE	NNE	NNW	SE	SSE	SSE	C	C	C	C
	10	NNE	N	N	N	N	N	C	C	C	N	C	C
	11	ENE	N	N	N	NNE	N	C	C	C	C	C	N
	12	E	NE	E	ENE	NE	C	C	C	C	C	C	C
	13	ENE	NE	N	E	NNE	C	C	C	C	C	C	C
	14	NW	N	N	N	NNW	NNW	C	C	C	W	C	C
	15	NW	NNW	NNW	N	N	C	C	C	C	C	C	C
	16	N	NNE	NNW	NNW	N	NNW	C	C	C	NNW	C	C
	17	NE	NE	NE	NNE	NNE	C	C	C	C	C	C	C
	18	NE	NE	NNE	NNE	NE	NE	NE	C	C	C	C	C
	19	E	NNE	N	NNE	NNE	NNE	NW	W	SW	C	C	C
	20	N	N	N	NE	NNW	SW	SSW	SSW	C	C	C	C
	21	NE	NNE	ENE	SSE	S	SSW	SSW	C	SSW	SSE	C	C
	22	ENE	NE	NE	NNE	NE	ESE	C	ESE	ESE	C	ESE	SW
	23	E	ESE	ESE	E	E	E	E	C	C	C	C	C
	24	N	N	NNE	N	NNW	NW	NW	SW	SSW	SW	SSW	SSW
	25	NE	NNE	N	N	N	C	C	C	C	C	C	C
	26	NNE	NE	NNE	N	N	C	C	W	C	C	W	SW
	27	ENE	NNE	NNE	NNE	NNE	NNE	C	C	NNE	S	C	C
	28	NE	NE	NNW	WNW	WNW	C	C	C	C	C	C	C
	29	NNE	N	N	C	NW	SW	SW	C	C	C	C	C
	30	N	NNE	NNE	N	NNW	NW	NW	WSW	S	C	C	C
	31	N	N	N	NNE	NNW	C	C	N	C	S	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	0.8	0.8	0.0	0.0	0.8	0.8	0.0	1.6	2.4	4.8	12.1	12.9	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	6.4	0.8	0.0	0.8	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.8	—
	4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	8.0	6.4	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	3.2	3.2	1.6	—
	6	0.0	0.0	0.0	0.0	0.8	0.0	0.0	2.4	3.2	3.2	4.8	6.4	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	0.0	2.4	4.0	5.6	—
	8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	5.6	8.9	14.5	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	6.4	8.0	8.0	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.4	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.8	6.4	—
	12	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	3.2	4.8	7.2	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3 2	3.2	3.2	2.4	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	6.4	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.8	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	4.0	4.8	—
	18	0.0	0.0	0.8	0.8	0.8	0.0	0.8	0.0	0.8	1.6	4.8	6.4	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.0	4.8	7.2	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	2.4	4.0	—
	21	0.0	0.0	0.0	0.0	0.8	1.6	0.8	1.6	1.6	3.2	4.8	7.2	—
	22	0.0	0.0	0.0	0.8	1.6	0.8	0.0	0.0	6.4	11.3	9.7	8.9	—
	23	4.0	1.6	1.6	1.6	1.6	0.8	1.6	3.2	3.2	1.6	1.6	4.0	—
	24	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.0	1.6	1.6	3.2	4.8	—
	25	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	4.8	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	4.8	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	4.8	3.2	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	3.2	1.6	—
	29	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.6	6.4	4.8	7.2	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	4.0	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.6	2.4	0.8	—
Hourly Means.		0.36	0.13	0.08	0.13	0.23	0.18	0.13	0.75	1.83	2.92	4.29	5.40	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	9.7	11.3	9.7	12.1	9.7	3.2	1.6	3.2	0.0	0.0	0.0	0.0	4.06
	2	3.2	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.6	0.0	0.8	0.27
	4	4.0	0.8	3.2	6.4	6.4	3.2	2.4	0.8	0.0	0.0	0.0	0.0	1.97
	5	1.6	6.4	9.7	12.1	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.14
	6	8.9	11.3	9.7	5.6	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.58
	7	4.8	4.0	4.8	4.0	3.2	3.2	11.3	6.4	1.6	1.6	2.4	3.2	2.74
	8	12.1	9.7	9.7	8.0	4.8	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.45
	9	5.6	5.6	9.7	8.0	4.8	4.8	0.8	1.6	0.0	0.0	0.0	0.0	2.84
	10	3.2	4.8	4.8	3.2	3.2	0.8	0.0	0.0	0.0	0.8	0.0	0.0	1.40
	11	8.0	9.7	6.4	8.0	4.8	0.8	0.0	0.0	0.0	0.0	0.0	1.6	2.24
	12	4.8	4.8	4.8	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.53
	13	2.4	4.8	2.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.07
	14	4.8	4.8	6.4	6.4	2.4	0.8	0.0	0.0	0.0	0.8	0.0	0.0	1.57
	15	3.2	4.8	4.8	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.87
	16	5.6	6.4	8.0	6.4	4.8	1.6	0.0	0.0	0.0	0.8	0.0	0.0	1.73
	17	4.0	9.7	8.9	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.94
	18	7.2	10.5	12.9	12.9	8.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	2.98
	19	8.0	7.2	8.0	10.5	7.2	0.8	0.8	2.4	0.8	0.0	0.0	0.0	2.77
	20	7.2	6.4	6.4	4.8	0.8	0.8	3.2	1.6	0.0	0.0	0.0	0.0	1.73
	21	10.5	10.5	12.9	8.0	5.6	4.8	0.8	0.0	1.6	0.8	0.0	0.0	3.21
	22	14.5	12.9	11.3	9.7	1.6	2.4	0.0	0.8	1.6	0.0	0.8	3.2	4.10
	23	9.7	12.1	11.3	9.7	4.8	4.0	2.4	0.0	0.0	0.0	0.0	0.0	3.35
	24	5.6	6.4	6.4	4.8	1.6	1.6	0.8	2.4	1.6	0.8	2.4	4.8	2.17
	25	4.8	4.8	4.0	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.33
	26	10.5	4.8	3.2	6.4	2.4	0.0	0.0	1.6	0.0	0.0	0.8	0.8	1.74
	27	4.8	8.0	11.3	9.7	5.6	0.8	0.0	0.0	1.6	1.6	0.0	0.0	2.48
	28	8.0	3.2	3.2	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.23
	29	8.0	4.0	1.6	0.0	0.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	1.63
	30	3.2	5.6	6.4	6.4	4.0	0.8	1.6	4.8	3.2	0.0	0.0	0.0	1.73
	31	2.4	5.6	5.6	4.8	3.2	0.0	0.0	0.8	0.0	0.8	0.0	0.0	1.20
Hourly Means.		6.14	6.58	6.75	6.19	3.51	1.42	0.93	0.85	0.39	0.31	0.21	0.46	2.09

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	6	2	5	8	8	3	4	3	7	7	5	4	—
	2	10	6	4	2	3	7	8	9	10	10	10	9	—
	3	9	9	6	7	10	10	7	8	7	9	9	8	—
	4	10	10	10	7	10	10	10	10	7	6	6	6	—
	5	4	9	10	9	7	3	8	7	4	5	4	4	—
	6	2	3	4	3	5	4	3	3	0	2	3	4	—
	7	9	9	9	7	2	2	3	1	7	3	6	9	—
	8	7	7	7	7	9	7	7	7	9	9	6	4	—
	9	1	0	0	1	0	3	5	8	9	7	5	10	—
	10	1	1	9	4	5	4	3	2	1	2	3	5	—
	11	9	10	8	3	2	4	2	1	1	2	3	4	—
	12	7	5	8	3	2	6	9	6	6	6	9	10	—
	13	4	7	7	5	6	6	3	3	3	2	4	9	—
	14	2	1	0	2	1	2	1	0	6	7	4	7	—
	15	9	4	1	0	1	4	10	10	10	10	10	8	—
	16	2	2	3	3	2	4	6	4	2	3	3	4	—
	17	3	4	4	5	3	3	2	1	2	2	6	8	—
	18	6	6	6	4	1	5	2	2	2	1	2	3	—
	19	2	0	0	2	5	10	10	6	4	9	6	8	—
	20	9	4	4	9	8	7	10	10	10	9	10	10	—
	21	8	8	5	6	10	10	8	8	10	9	9	9	—
	22	2	3	1	3	4	4	9	5	6	2	5	6	—
	23	10	10	10	10	10	10	10	10	10	10	10	8	—
	24	1	1	0	2	2	5	6	6	6	9	10	10	—
	25	10	10	8	9	10	10	10	10	10	10	10	10	—
	26	3	4	10	4	3	3	3	3	3	4	4	6	—
	27	3	4	4	2	3	3	2	1	0	1	1	8	—
	28	5	5	5	4	7	6	4	3	1	7	8	10	—
	29	9	8	5	4	4	3	7	6	5	6	8	8	—
	30	5	9	3	0	0	2	2	1	3	4	4	3	—
	31	10	10	10	9	6	8	9	3	2	3	4	9	—
Hourly Means.		5.7	5.5	5.4	4.6	4.8	5.4	5.9	5.1	5.3	5.7	6.0	7.1	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	7	3	9	3	4	6	7	10	8	10	10	10	6.2
	2	7	4	4	9	10	10	10	10	10	10	10	10	8.0
	3	10	10	10	9	9	10	9	9	10	9	10	10	8.9
	4	8	8	8	7	7	10	6	2	2	2	4	6	7.2
	5	8	5	3	1	1	3	3	4	9	10	3	4	5.3
	6	2	2	3	5	3	1	1	2	4	10	10	10	3.7
	7	10	10	10	10	10	9	10	9	8	6	6	9	7.3
	8	5	6	2	2	2	3	1	1	2	1	1	2	4.8
	9	7	7	5	4	8	10	10	4	3	2	2	3	4.8
	10	4	3	2	1	0	2	1	4	3	10	10	10	3.8
	11	3	5	2	3	2	3	0	0	6	6	8	10	4.0
	12	9	9	8	9	8	3	2	2	3	5	7	3	6.0
	13	9	8	7	8	8	7	1	1	2	6	3	1	5.0
	14	8	7	6	7	7	9	7	10	8	9	10	8	5.4
	15	7	5	10	10	10	10	9	4	6	6	4	2	6.7
	16	4	4	3	3	4	4	6	9	5	8	4	4	4.0
	17	9	8	9	8	8	4	2	3	7	4	3	8	4.8
	18	2	2	1	1	1	4	0	1	2	7	3	1	2.7
	19	3	2	3	5	4	6	9	4	5	3	8	8	5.1
	20	10	10	10	10	10	10	10	10	10	3	6	4	8.5
	21	10	6	8	10	10	10	7	5	10	10	3	5	8.1
	22	7	8	6	8	8	8	4	3	2	2	4	10	5.0
	23	8	7	6	4	8	7	8	5	7	4	2	2	7.8
	24	9	10	9	8	9	10	10	10	10	10	10	8	7.1
	25	7	6	8	9	9	6	7	8	3	8	6	3	8.2
	26	8	10	4	4	5	3	2	10	6	7	6	6	5.0
	27	6	4	4	3	4	4	4	7	7	5	5	3	3.7
	28	10	10	9	8	8	8	10	9	9	9	10	9	7.3
	29	8	9	10	9	8	10	9	7	5	3	2	2	6.5
	30	1	8	5	2	2	7	10	10	10	10	10	10	5.0
	31	5	6	7	5	7	5	3	10	6	6	6	6	6.5
Hourly Means.		6.8	6.5	6.2	6.0	6.3	6.5	5.7	5.9	6.1	6.5	6.0	6.0	5.88

DURATION OF SUNSHINE.

JULY.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	7	4	0	0	3	9	7	6	6	6	4	4	10	2	1	6	4.7
2	0	0	0	0	0	0	0	1	2	6	7	8	9	8	6	2	3.1
3	1	1	2	1	0	0	1	0	2	0	0	0	0	1	2	0	0.7
4	0	0	4	6	6	8	8	8	8	5	5	4	3	3	1	0	4.3
5	10	10	10	9	7	8	8	10	8	7	4	9	9	10	10	10	8.7
6	10	10	10	10	10	10	10	8	9	10	10	10	9	9	3	0	8.6
7	3	6	0	6	10	10	6	0	1	1	0	0	0	0	0	0	2.7
8	1	0	0	0	0	4	3	8	10	10	5	4	8	10	10	10	5.2
9	4	0	1	8	8	6	8	7	4	1	0	0	3	3	7	9	4.3
10	7	9	10	10	10	9	8	7	8	6	9	9	9	9	9	9	8.6
11	6	6	10	10	10	10	9	9	9	9	7	7	8	7	5	4	7.9
12	1	7	1	2	7	6	3	2	2	0	0	0	3	1	0	4	2.4
13	10	10	10	9	10	10	7	1	0	1	1	0	2	4	4	2	5.1
14	8	4	6	6	8	10	10	7	4	6	5	3	6	6	4	3	6.0
15	0	0	0	0	0	0	2	3	6	4	6	2	2	1	0	0	1.6
16	10	10	10	10	10	10	10	10	10	8	10	9	7	7	6	6	8.9
17	8	10	10	10	10	8	7	9	5	4	2	5	6	1	2	1	6.1
18	7	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.8
19	10	10	10	0	7	8	8	10	2	2	7	6	10	10	6	3	6.8
20	2	1	3	6	6	1	0	0	0	0	0	0	0	0	0	0	1.2
21	2	1	0	0	4	5	0	0	4	7	0	6	10	9	4	1	3.3
22	1	4	1	5	8	10	8	7	5	2	8	7	3	7	10	7	5.8
23	0	0	0	0	0	0	1	0	9	8	7	8	10	7	7	5	3.9
24	0	4	9	6	1	1	1	3	1	1	5	1	0	0	0	0	2.1
25	0	0	0	0	3	7	4	1	4	4	6	8	7	8	7	2	3.8
26	9	9	10	8	6	7	10	7	7	10	7	2	0	3	6	10	6.9
27	10	10	10	10	10	10	10	10	4	9	8	4	9	7	9	10	8.8
28	10	10	9	9	6	2	6	6	1	0	0	0	0	0	0	0	3.7
29	10	10	10	10	9	10	7	6	9	6	0	0	0	0	0	0	5.4
30	10	9	6	3	5	10	8	10	10	10	7	4	5	10	10	10	7.9
31	9	10	10	10	10	10	8	1	8	6	4	6	7	7	7	5	7.4
Means.	5.4	5.6	5.5	5.6	6.3	6.7	6.1	5.4	5.4	5.1	4.6	4.4	5.3	5.2	4.7	4.2	5.34

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

JULY.

Mean Batavia Time.	7h30 A. M.	8	8h30	9	9h30	10	10h30	11	11h30	12	0h30 P. M.	1	1h30	2	2h30	3	3h30	4	4h30
1	24.8	36.0	41.1	31.6	30.9	34.0	46.7	43.8	44.9	45.9	46.3	44.7	44.7	47.9	49.9	35.6	36.0	41.4	34.8
2	23.4	25.6	26.9	—	—	—	—	—	27.9	35.5	39.5	45.3	49.0	4.80	48.8	46.1	42.3	32.3	29.4
3	35.2	39.6	33.9	40.4	44.6	37.5	36.5	43.2	39.4	46.6	44.0	36.9	—	34.3	36.4	43.4	37.6	35.4	33.1
4	23.0	24.9	26.5	35.9	45.6	43.9	49.3	46.8	47.5	50.9	50.6	48.9	47.9	46.4	47.3	44.0	40.4	36.7	33.5
5	32.2	42.9	45.2	46.4	47.6	48.2	47.9	52.6	51.0	52.9	49.5	40.4	43.1	53.9	46.4	48.9	47.9	45.9	36.3
6	33.9	39.1	42.4	46.9	48.1	49.6	50.4	51.5	51.1	52.2	48.2	51.9	51.6	50.9	50.0	47.5	46.1	37.4	34.4
7	31.7	35.0	40.9	33.7	36.7	49.8	51.0	53.3	43.6	42.4	42.1	40.5	39.0	35.1	34.2	34.0	32.2	31.3	30.4
8	25.6	31.9	31.9	33.1	33.2	37.8	39.5	44.9	44.4	50.9	51.1	50.1	45.5	50.7	53.6	50.1	48.7	46.4	37.8
9	30.6	34.9	28.5	32.5	43.8	46.9	39.8	51.4	51.1	36.9	41.9	38.9	36.5	34.4	47.9	45.8	44.4	44.9	37.2
10	30.1	37.8	41.0	45.4	46.7	48.9	48.1	50.4	45.1	48.5	48.7	52.4	52.5	52.9	52.8	50.3	51.3	45.4	39.4
11	29.9	34.9	37.7	44.6	47.2	49.6	50.2	51.6	51.2	51.1	52.9	50.0	49.1	43.9	47.5	46.4	37.7	39.7	33.9
12	24.5	28.4	35.9	35.6	39.4	42.2	49.1	44.4	42.2	44.2	38.6	36.2	35.4	40.1	39.0	34.2	37.1	40.6	35.6
13	29.2	37.0	42.4	46.4	46.8	50.0	49.8	52.9	44.5	40.4	40.4	43.5	41.1	41.1	42.0	45.9	43.1	37.8	34.5
14	30.6	25.5	41.9	39.3	44.6	44.4	46.9	51.5	52.4	47.4	52.5	47.4	48.5	47.3	48.3	44.5	43.9	41.4	33.9
15	23.0	24.0	26.1	26.5	29.7	32.0	33.3	41.2	43.6	46.9	50.9	45.6	46.1	47.4	46.4	38.4	36.3	34.4	31.1
16	28.3	35.9	39.1	44.4	46.6	48.4	49.0	50.4	51.1	51.0	49.9	50.3	50.7	50.3	44.9	43.4	42.6	42.5	35.8
17	30.2	36.3	40.5	45.5	46.9	48.7	47.9	49.8	51.8	45.7	43.1	38.9	43.0	48.2	43.9	39.1	38.9	34.4	31.7
18	27.5	34.4	38.6	44.0	47.1	49.2	50.3	51.3	52.1	52.0	51.7	52.1	51.7	50.4	50.1	48.3	46.7	42.8	34.4
19	24.2	39.4	40.6	45.5	42.9	48.4	51.1	50.6	52.5	48.9	46.3	49.3	49.0	51.0	50.8	50.1	45.4	41.9	35.2
20	25.6	29.9	30.6	35.6	40.5	38.5	40.2	36.9	38.2	37.9	36.4	38.4	37.4	34.4	37.1	29.9	—	—	—
21	23.9	31.1	32.7	32.8	33.1	41.9	45.3	43.6	43.1	45.4	50.0	44.5	44.2	48.4	50.2	43.9	42.8	34.9	29.8
22	24.8	28.2	30.3	36.8	35.6	46.8	49.4	49.1	48.7	42.3	43.6	46.4	53.2	—	41.5	47.9	44.9	—	—
23	22.5	23.1	23.0	23.8	—	—	27.6	33.0	34.4	45.5	48.2	45.2	49.5	49.4	51.1	48.2	42.6	38.4	35.4
24	23.7	25.9	29.7	41.3	46.8	38.4	39.6	41.9	40.4	40.4	37.9	45.4	45.2	33.4	—	31.9	31.9	30.4	29.4
25	22.9	23.6	23.9	25.3	26.6	33.4	39.5	46.5	38.9	44.2	45.7	46.0	48.2	47.5	49.4	44.4	47.4	32.9	38.3
26	27.5	35.0	40.1	45.5	48.2	40.1	48.2	52.0	51.0	48.1	48.4	52.4	49.9	—	31.0	36.4	44.2	46.7	32.4
27	28.9	38.3	41.6	45.5	46.8	48.3	49.4	49.9	50.5	47.0	44.8	52.9	46.4	44.6	48.9	47.1	46.4	43.4	36.0
28	27.9	39.1	42.5	45.9	47.0	48.4	42.4	48.6	48.9	37.9	—	—	25.6	29.0	33.4	32.8	32.4	34.8	32.8
29	25.7	36.9	40.4	44.4	46.9	49.3	49.6	50.3	43.0	51.9	45.7	38.5	33.8	30.4	29.8	—	—	28.3	30.5
30	28.2	37.4	38.5	39.6	36.1	37.5	41.7	44.0	49.0	50.4	51.2	51.4	45.2	40.3	40.3	48.3	45.4	43.4	38.4
31	27.5	36.4	40.4	44.6	46.1	48.4	49.6	48.9	44.9	46.0	46.1	42.9	40.2	46.9	48.6	44.7	43.3	41.4	36.2
Means.	27.32	33.17	35.96	39.29	42.14	44.16	45.31	47.54	45.75	46.04	46.21	45.58	44.77	44.09	44.72	43.05	42.07	38.87	34.19

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	69	66	50	50	47	44	72	135	173	173	184	105	—
	16	17	11	14	17	14	17	50	77	47	66	61	55	—
	17	39	25	25	19	25	22	66	83	61	25	33	28	—
	18	52	39	39	33	55	47	80	154	143	44	66	47	—
	19	58	50	33	25	30	36	44	113	74	39	50	47	—
	20	55	41	28	08	19	19	39	77	124	66	66	66	—
	21	14	8	14	14	19	52	69	118	113	61	66	44	—
	22	28	22	25	19	28	30	80	176	94	52	39	52	—
	23	44	N	19	3	— 3	11	19	14	17	25	58	39	—
	24	—	—	—	—	—	—	—	55	77	36	30	14	—
	25	N	—	—	—	—	—	—	19	36	47	39	08	—
	26	—	—	—	—	—	—	—	55	39	22	28	22	—
	27	28	—	—	—	—	—	—	52	44	36	14	11	—
	28	—	—	—	—	—	—	33	80	77	39	47	P N	—
	29	19	25	11	14	11	14	17	85	36	28	36	19	—
	30	14	11	8	14	11	14	22	83	69	50	17	11	—
	31	—	—	—	—	—	—	—	55	39	19	19	8	—
Hourly Means.		36.4	29.8	24.2	19.6	23.3	27.8	49.3	84.2	74.3	48.7	50.2	36.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	—	—	—	—	—	—	—	—	—	—	—	—	—
	2	—	—	—	—	—	—	—	—	—	—	—	—	—
	3	—	—	—	—	—	—	—	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	—	—	—	—	—	—
	5	—	—	—	—	—	—	—	—	—	—	—	—	—
	6	—	—	—	—	—	—	—	—	—	—	—	—	—
	7	—	—	—	—	—	—	—	—	—	—	—	—	—
	8	—	—	—	—	—	—	—	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	—	—	—	—	—	—
	10	—	—	—	—	—	—	—	—	—	—	—	—	—
	11	—	—	—	—	—	—	—	—	—	—	—	—	—
	12	—	—	—	—	—	—	—	—	—	—	—	—	—
	13	—	—	—	—	—	—	—	—	—	—	—	—	—
	14	—	—	—	—	—	—	—	—	—	—	—	—	—
	15	63	55	72	66	69	99	121	77	30	55	41	22	80.8
	16	58	50	41	55	61	94	151	187	113	63	39	58	59.0
	17	39	47	50	50	55	80	168	121	105	113	80	41	58.3
	18	58	52	19	17	44	72	113	105	143	91	83	52	68.7
	19	52	52	39	17	52	47	157	132	124	138	151	P N	67.8
	20	72	107	118	P N	39	41	50	69	44	33	30	28	53.9
	21	55	47	19	143	276	287	220	204	162	132	66	41	93.5
	22	113	58	47	50	0	N	33	66	39	30	17	22	48.7
	23	44	33	47	58	69	63	—	—	—	—	—	—	32.9
	24	47	P	N	80	132	143	66	80	P N	P N	P N	8	64.0
	25	11	22	19	22	44	107	55	50	11	—	—	—	35.0
	26	19	30	30	28	36	80	116	55	33	36	3.0	22	40.1
	27	33	P	63	55	127	212	—	—	—	—	—	—	61.4
	28	P N	44	83	58	83	116	72	69	17	30	28	25	56.3
	29	3	P N	P N	44	22	P N	P N	36	19	28	17	17	25.1
	30	11	11	14	14	19	77	248	P N	P N	—	—	—	37.8
	31	17	14	14	11	14	44	110	113	193	39	33	19	44.8
Hourly Means.		43.4	44.4	45.0	48.0	67.2	104.1	120.0	97.4	79.5	65.7	51.3	29.6	54.14

BAROMETRIC PRESSURE.

BAROMETER AT 0°.C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	9.45	9.21	9.03	8.82	8.93	9.32	9.70	10.21	10.53	10.27	9.84	9.21	—
	2	9.62	9.14	8.96	8.18	8.83	8.93	9.21	9.83	10.16	10.17	9.81	9.21	—
	3	9.83	9.37	9.13	9.10	8.97	9.15	9.82	10.31	10.57	10.59	10.31	9.70	—
	4	9.55	9.17	9.10	9.16	9.28	9.36	10.13	10.60	10.61	10.50	10.09	9.56	—
	5	10.62	10.08	9.78	9.66	9.71	9.85	10.26	10.57	10.65	10.57	10.23	9.63	—
	6	10.24	9 84	9.35	9.22	9.36	9.44	9.86	10.55	10.82	10.78	10.29	9.72	—
	7	10.13	10.10	9.90	9.82	9.92	10.14	10.42	10.92	10.97	10.90	10.54	9.97	—
	8	10.36	9.90	9.53	9.55	9.56	9.57	10.01	10.50	10.65	10.35	9.72	9.03	—
	9	9.90	9.29	9.25	9.18	9.34	9.67	10.21	10.57	10.55	10.28	9.85	9.23	—
	10	9.05	8.76	8.58	8.45	8.81	9.05	9.42	9.92	10.39	10.08	9.72	8.77	—
	11	8.88	8.44	8.44	8.26	8.30	8.74	9.31	9.94	10.10	9.88	9.50	8.85	—
	12	8.96	8.58	8.24	8.37	8.47	8.87	9.00	9.39	9.55	9 42	9.04	8.25	—
	13	8.58	8.15	7.83	7.64	7.92	8.30	8.62	9.02	9.10	9.09	8.82	8.18	—
	14	8.39	8.16	7.89	7.71	7.80	7.97	8.49	8.77	8.98	8.70	8.33	7.85	—
	15	8.59	8.20	8.21	7.83	8.15	8.45	8.45	8.86	9.35	9.45	8.97	8.57	—
	16	9.74	8.99	8.89	8.64	8.59	9.05	9.63	9.81	10.45	10.66	10.04	9.47	—
	17	9.85	9.20	8.94	8.96	9.36	9.50	9.75	10.43	10.63	10.62	10.15	9.32	—
	18	9.92	9.60	9.15	8.90	9.16	9.41	9.87	10.25	10.62	10.55	10.20	9.44	—
	19	9.29	9.01	8.62	8.74	8.89	9.00	9.52	9.89	10.29	10.13	9.68	9.18	—
	20	9.79	9.69	9.90	9.82	9.94	10.24	10.69	11.09	11.21	11.26	11.07	10.49	—
	21	10.02	9.88	9.87	9.68	9.68	10.00	10.66	11.17	11.51	11.11	10.84	10.44	—
	22	10.24	9.82	9.35	9.16	9.45	9.75	10.20	10.62	11.01	11.09	10.99	10.48	—
	23	9.43	9.11	9.05	8.77	8.58	8.68	9.18	9.72	10.01	9.87	9.43	8.73	—
	24	9.07	9.05	8.98	8.96	9.28	9.82	10.25	10.52	10.58	10.15	9.52	8.68	—
	25	9.03	8.81	8.54	8.45	8.76	9.05	9.37	9.76	9.94	9.69	9.08	8.65	—
	26	9.09	8.88	8.75	8.71	8.97	9.41	9.82	10.10	10.66	10.39	10.05	9.44	—
	27	9.34	8.85	8.35	8.26	8.77	8.92	9.56	9.94	10.39	10.38	9.85	9.14	—
	28	9.46	9.06	8.95	8.97	9.14	9.41	10.00	10.40	10.77	10.71	10.09	9.50	—
	29	9.93	9.60	9.36	9.18	9.44	10.02	10.60	11.04	11.40	11.29	10.80	10.08	—
	30	9.89	9.46	9.30	8.94	9.16	9.85	10.12	10.56	10.91	10.81	10.22	9.61	—
	31	10.00	9.70	9.36	9.11	9.26	9.67	10.05	10.29	10.65	10.23	9.85	9.25	—
Hourly Means.		9.56	9.20	8.99	8.85	9.03	9.31	9.75	10.18	10.45	10.32	9.90	9.28	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	8.48	7.75	7.42	7.43	7.61	7.94	8.40	9.26	9.59	9.90	10.03	9.72	9.09
	2	8.61	7.94	7.74	7.53	7.62	7.89	8.23	8.81	9.33	9.89	9.97	9.96	8.98
	3	9.03	8.47	8.14	8.02	8.14	8 40	8.68	9.01	9.49	9.67	9.61	9.72	9.30
	4	9.19	8.45	8.42	8.38	8.45	8.71	9.24	9.84	10.39	10.86	11.11	10.82	9.62
	5	9.18	8.76	8.40	7.90	7.97	8.58	8.90	9.68	9.98	10.49	10.51	10.51	9.69
	6	9.02	8.33	7.71	7.93	8.37	8.76	9.22	9.85	10.37	10.55	10.43	10.46	9.60
	7	9.42	8.97	8.49	8.46	8.70	9.29	9.69	10.27	10.74	11.08	11.04	10.83	10.03
	8	8.31	7.62	7.25	7.36	7.69	7.93	8.83	9.62	10.15	10.28	10.23	10.13	9.34
	9	8.56	7.92	7.37	7.52	7.98	8.13	8.69	9.22	9.44	9.71	9.78	9.59	9.22
	10	7.97	7.33	7.26	7.18	7.41	7.56	8.08	8.80	9.30	9.48	9.54	9.04	8.75
	11	8.34	7.42	7.17	7.27	7.36	7.98	8.34	8.92	9.34	9.60	9.45	9.05	8.70
	12	7.33	6.77	6.61	6.67	6.81	7.53	8.10	8.57	9.12	9.03	9.10	8.99	8.37
	13	7.22	6.61	6.12	5.92	6.43	6.95	7.86	8.54	8.84	9.14	9.13	8.86	8.04
	14	7.08	6.52	6.21	6.37	6.38	7.15	7.76	8.45	8.76	9.26	9.18	8.89	7.96
	15	8.00	7.87	6.91	6.61	6.87	7.47	8.45	9.15	9.68	9.98	10.33	10.25	8.53
	16	8.77	8.14	7.43	7.38	7.45	7.86	8.69	9.38	10.00	10.35	10.19	10.14	9.16
	17	8.79	8.49	7.73	7.80	8.62	8.86	10.06	10.20	10.66	10.74	10.67	10.40	9.57
	18	8.90	8.13	7.73	7.56	7.78	8.30	8.85	9.41	9.84	10.12	10.16	9.81	9.32
	19	8.65	7.98	8.01	8.53	8.45	8.68	9.43	9.74	10.19	10.39	10.30	10.21	9.28
	20	9.63	9.34	8.77	9.00	9.27	9.86	10.88	11.15	11.43	11.07	11.04	10.57	10 30
	21	9.64	9.45	9.13	8.99	9.52	10.18	10.54	10.88	11.11	11.16	11.04	10.51	10.29
	22	9.83	9.13	9.31	9.40	9.16	8.91	8.89	9.11	9.93	10.27	10.45	9.86	9.85
	23	8.01	7.55	7.13	7.17	7.47	8.08	8.70	9.23	9.64	9.81	9.75	9.49	8.86
	24	7.89	7.55	7.00	6.90	7.12	7.54	8.34	8.96	9.55	9.93	9.92	9.59	8.96
	25	7.91	7.47	7.34	7.26	7.60	8.01	8.72	9.40	9.83	9.94	9.95	9.65	8.84
	26	8.48	7.83	7.32	6.93	7.09	7.71	8.43	9.30	9.71	10.12	10.18	9.75	9.05
	27	8.26	7.61	6.93	6.89	7.48	8.03	8.65	9.44	10.19	10.43	10.29	10.09	9.00
	28	8.67	8.05	7.64	7.63	7.97	8.37	8.63	9.38	10.38	10.64	10 73	10.29	9.37
	29	9.43	8.63	8.17	7.98	8.00	8.75	9.25	10.10	10.50	10.85	10.88	10.63	9.83
	30	8.96	8.33	8.07	7.95	7.99	8.45	8.94	9.59	9 83	10.32	10.36	10.29	9.50
	31	8.63	8.00	7.75	7.41	7.73	8.38	9.09	9.74	10.17	10.40	10.24	10.06	9.38
Hourly Means.		8.59	80.1	7.63	7.59	7.82	8.27	8.86	9.45	9.92	10.18	10.18	9.94	9.22

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	72.9	72.0	71.9	71.0	70.8	70.0	70.2	73.0	76.2	79.2	81.6	83.7	—
	2	73.0	72.5	72.0	71.4	71.0	70.0	70.5	72.5	75.7	78.5	81.1	82.5	—
	3	72.1	71.6	71.6	71.0	70.6	70.0	70.0	72.5	75.7	79.4	81.3	82.4	—
	4	72.6	72.2	72.0	71.8	71.4	71.0	71.0	73.1	77.0	80.0	82.2	84.0	—
	5	73.0	72.8	71.8	71.1	70.9	69.8	70.8	73.8	78.0	81.1	83.0	84.6	—
	6	75.6	74.9	74.1	73.9	73.1	72.5	73.0	75.5	78.6	81.3	83.6	84.2	—
	7	75.1	75.0	74.4	73.8	73.0	72.3	72.4	74.3	77.3	80.3	82.7	83.7	—
	8	75.8	75.0	74.4	74.4	74.2	74.2	74.2	75.6	79.2	81.2	84.0	84.1	—
	9	75.8	75.2	74.5	74.0	73.4	72.5	73.1	75.8	78.3	82.1	84.4	85.3	—
	10	76.2	76.0	75.4	74.6	74.6	73.8	74.2	77.0	80.6	83.6	85.4	86.9	—
	11	75.0	74.6	73.9	73.3	72.9	72.2	73.0	75.7	79.1	82.6	84.7	85.7	—
	12	75.0	74.8	74.4	73.8	73.0	72.5	72.7	75.0	79.4	82.5	84.4	86.3	—
	13	74.8	74.6	74.2	74.0	73.3	73.1	73.5	76.5	79.2	81.8	84.4	85.6	—
	14	74.2	74.0	73.4	73.2	72.7	72.3	72.8	75.8	79.5	82.0	84.3	85.0	—
	15	75.1	74.6	74.4	74.0	74.0	74.0	75.3	77.1	80.1	83.4	85.1	86.5	—
	16	75.8	75.6	75.8	75.6	75.2	74.9	75.1	77.0	79.6	82.0	84.0	84.3	—
	17	75.6	75.8	75.8	75.4	75.0	74.9	75.2	76.6	79.0	80.0	82.0	83.9	—
	18	72.5	72.3	72.7	72.7	72.9	72.9	73.0	73.5	75.0	76.0	77.9	80.1	—
	19	75.0	75.0	75.0	75.0	74.8	74.2	74.9	77.9	81.0	83.0	83.8	83.8	—
	20	74.1	74.1	72.6	72.6	72.6	72.6	72.7	73.2	76.0	79.0	80.7	82.6	—
	21	72.1	71.8	71.5	71.3	71.2	70.9	71.7	73.3	75.7	78.3	80.1	82.0	—
	22	72.9	72.2	72.0	72.1	72.1	72.0	72.2	73.7	75.7	77.1	78.1	79.7	—
	23	70.4	70.2	69.8	69.8	69.6	69.4	69.6	71.0	73.9	77.4	81.0	82.3	—
	24	73.5	72.6	72.0	71.2	70.7	70.3	70.9	73.9	78.0	81.8	83.6	84.9	—
	25	75.6	75.0	75.0	74.6	74.0	73.4	73.6	76.2	79.0	81.3	83.3	84.1	—
	26	74.6	74.2	74.0	73.9	73.4	73.2	73.5	76.0	79.0	82.0	83.0	84.0	—
	27	74.7	74.6	74.3	74.6	74.6	74.6	74.8	76.0	78.1	80.5	82.4	85.0	—
	28	73.4	73.2	73.0	72.6	72.3	72.1	72.5	74.3	77.0	80.0	82.0	83.5	—
	29	75.4	75.0	75.0	74.6	74.2	74.0	74.3	76.5	78.8	81.6	83.8	85.0	—
	30	76.2	75.6	74.5	73.7	73.0	72.6	73.2	76.2	80.2	82.9	85.6	86.2	—
	31	74.8	74.2	73.7	73.1	72.7	72.1	72.7	75.8	79.7	82.5	84.3	86.3	—
Hourly Means.		74.28	73.91	73.52	73.16	72.81	72.40	72.79	74.98	78.05	80.79	82.83	84.14	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	85.0	86.0	85.8	83.8	82.6	81.0	80.0	78.0	76.8	75.9	75.1	74.0	77.35
	2	83.7	84.3	84.0	83.0	82.0	80.0	77.6	75.7	74.3	73.4	73.3	72.5	76.44
	3	84.4	83.4	83.3	82.6	81.5	80.0	77.7	76.4	75.0	74.2	73.7	73.1	76.40
	4	85.4	86.0	84.8	84.5	83.7	81.7	79.4	77.1	75.9	75.1	74.5	74.1	77.52
	5	85.7	85.0	84.0	83.6	83.0	81.3	79.5	77.5	76.3	76.0	75.8	75.7	77.67
	6	85.8	86.0	84.7	84.0	82.2	81.0	79.5	78.1	77.4	76.4	75.9	75.3	78.61
	7	84.7	84.6	84.6	83.4	82.4	81.3	81.0	80.4	79.4	77.5	76.5	75.6	78.57
	8	85.0	86.0	85.6	84.0	82.5	81.5	80.6	79.8	79.4	77.8	76.3	76.0	79.20
	9	86.7	86.1	85.5	84.5	83.7	82.2	80.8	79.4	78.0	77.6	77.4	76.6	79.29
	10	87.5	88.6	86.2	85.1	84.4	82.6	81.1	80.0	78.8	77.8	76.8	75.8	80.13
	11	83.9	87.6	86.0	84.2	84.1	82.0	80.2	78.6	77.0	76.4	75.9	75.3	78.91
	12	87.0	88.0	87.0	85.6	84.0	82.4	81.0	79.7	78.1	76.6	76.2	75.3	79.36
	13	85.6	84.4	85.1	84.6	83.1	82.0	78.8	77.7	76.9	75.4	74.8	74.6	78.67
	14	86.5	85.5	83.5	84.0	83.9	82.4	80.8	79.0	78.0	77.0	76.0	75.3	78.80
	15	84.6	79.0	82.4	84.4	83.0	81.6	79.7	78.8	78.5	77.1	76.3	75.7	78.95
	16	84.0	84.0	82.3	82.5	82.2	80.8	80.3	79.7	78.3	77.3	76.2	75.9	79.10
	17	82.2	81.4	80.7	80.6	80.3	79.0	76.4	74.6	74.0	73.3	73.0	72.7	77.39
	18	82.9	83.5	83.4	84.0	82.2	80.9	79.0	78.1	77.7	76.7	76.1	75.5	77.15
	19	85.0	86.0	85.5	78.0	77.6	77.8	77.1	76.6	76.0	75.2	74.6	74.2	78.21
	20	82.7	79.4	80.4	80.6	80.6	80.0	76.0	74.7	73.8	73.0	72.9	72.7	76.23
	21	82.8	82.8	81.5	81.0	80.0	78.2	75.7	75.1	74.8	74.4	74.2	73.4	75.99
	22	80.5	80.7	80.2	73.6	73.7	73.5	73.0	72.8	72.6	71.8	71.4	70.9	74.35
	23	84.0	85.4	86.2	85.2	83.9	82.0	80.0	78.5	77.3	76.4	75.2	74.4	76.79
	24	85.1	83.6	84.4	84.1	83.0	81.2	80.3	79.7	79.1	78.0	77.0	76.5	78.14
	25	84.9	84.5	83.9	83.2	82.4	81.0	80.2	79.9	79.3	77.5	75.7	75.1	78.86
	26	85.0	85.6	85.0	84.2	83.0	81.3	79.6	77.3	76.6	75 3	75.2	74.9	78.49
	27	84.8	84.2	84 0	83.4	82.9	81.6	80.0	79.0	77.6	76.1	75.0	74.2	78.63
	28	84.0	85.1	83.0	82·8	82.0	80.9	79.7	78.5	78.5	77.3	76.4	76.2	77.93
	29	84.7	85.5	84.7	83.4	82.0	80.9	80.1	79.3	78.0	77.8	77.6	77.0	79.13
	30	85.8	85.0	85.0	84.1	83.2	81.9	80.5	78.6	77.5	76.4	75.8	75.0	79.11
	31	85.7	86.3	85.5	83.8	83.0	82.0	81.0	80.2	79 8	79.1	78.8	78.2	79.39
Hourly Means.		84.70	84.63	84.14	83.09	82.20	80.84	79.25	78.03	77.12	76.12	75.47	74.89	78.09

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	920	936	928	935	927	944	926	868	778	713	599	545	—
	2	868	867	866	865	865	889	899	859	832	770	643	590	—
	3	909	909	900	908	899	907	916	885	816	684	665	608	—
	4	875	875	874	874	882	882	873	852	757	687	614	564	—
	5	919	910	918	900	899	916	908	860	751	633	590	554	—
	6	864	879	896	895	903	902	868	808	747	670	575	597	—
	7	914	913	913	912	911	919	902	862	827	724	635	607	—
	8	881	913	921	930	921	921	912	872	794	699	661	662	—
	9	872	880	896	912	920	937	937	864	776	620	549	548	—
	10	882	881	905	896	870	877	861	787	700	643	587	559	—
	11	888	888	895	903	885	910	886	816	764	635	612	604	—
	12	913	913	921	921	911	919	919	863	707	635	611	552	—
	13	913	904	921	921	937	929	920	866	779	714	611	635	—
	14	904	903	911	911	929	919	902	833	758	694	622	613	—
	15	905	913	896	887	887	895	872	827	751	691	638	600	—
	16	905	923	923	923	930	913	897	859	795	742	700	708	—
	17	914	915	915	914	905	913	939	916	839	818	785	687	—
	18	946	946	946	946	955	955	955	947	939	915	852	788	—
	19	914	913	913	913	913	896	871	806	691	651	654	634	—
	20	938	938	955	964	964	964	982	964	906	831	760	702	—
	21	936	946	954	954	954	963	946	920	873	792	752	688	—
	22	910	928	936	936	936	936	936	887	833	883	799	736	—
	23	972	963	963	963	962	962	953	954	912	828	733	695	—
	24	938	946	936	945	935	917	890	853	761	686	607	551	—
	25	898	897	897	904	921	920	895	856	763	691	637	660	—
	26	888	904	903	912	920	911	911	865	785	694	677	641	—
	27	930	930	938	939	956	947	922	890	846	768	745	639	—
	28	903	894	894	893	867	884	859	845	788	722	688	660	—
	29	864	855	863	879	887	878	888	794	710	637	577	601	—
	30	865	872	870	886	885	885	868	825	702	636	549	543	—
	31	913	912	920	920	929	928	919	833	729	648	611	571	—
Hourly Means.		905	909	912	915	915	917	907	862	787	715	656	624	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	526	513	495	658	673	739	743	812	874	880	879	877	779
	2	539	566	564	597	612	663	757	831	870	894	868	902	770
	3	579	685	651	629	677	729	812	833	879	887	903	894	799
	4	523	503	538	580	607	650	727	803	856	871	887	887	752
	5	560	605	614	600	609	705	749	812	856	864	872	856	769
	6	560	549	611	627	680	733	794	836	851	882	905	914	773
	7	618	624	617	618	668	726	746	796	832	867	858	889	787
	8	665	604	615	680	688	726	753	795	816	829	849	848	790
	9	529	580	603	642	693	729	775	808	859	867	866	890	773
	10	562	535	605	625	611	689	747	802	829	851	874	889	753
	11	692	555	647	680	687	707	774	830	859	874	898	897	783
	12	542	566	561	628	727	751	769	810	807	826	857	880	771
	13	647	681	665	657	724	757	837	859	874	880	888	896	809
	14	619	646	705	693	673	681	753	800	829	851	881	905	789
	15	682	877	823	675	732	784	855	869	877	858	882	898	816
	16	680	741	779	765	772	812	849	863	868	891	899	915	836
	17	786	791	804	797	811	823	809	896	921	937	937	946	863
	18	691	660	632	622	729	768	793	813	836	891	881	898	846
	19	620	557	585	852	867	852	875	891	915	939	947	947	817
	20	731	847	788	753	782	810	889	913	921	937	937	955	880
	21	683	642	670	718	752	761	840	888	897	904	904	920	844
	22	753	732	744	920	929	929	946	946	936	945	954	963	890
	23	674	584	575	646	713	736	833	893	907	906	922	921	840
	24	659	672	649	661	697	718	803	840	854	884	891	899	800
	25	651	675	673	697	709	746	796	817	839	835	856	871	796
	26	677	679	676	667	718	756	802	900	924	905	930	939	816
	27	684	701	667	685	710	756	809	838	867	915	914	904	829
	28	680	678	724	731	771	804	809	861	853	851	865	873	808
	29	650	646	650	691	693	717	766	785	852	852	851	858	769
	30	621	625	631	660	703	720	759	799	835	857	872	888	765
	31	630	613	636	675	697	736	769	796	802	823	846	868	780
Hourly Means.		636	643	652	682	713	749	798	840	864	879	889	900	803

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	C	C	C	C	C	C	C	C	S	SSE	SE	S
	2	S	S	S	SSW	SSW	C	C	C	SSW	E	E	E
	3	C	NNE	NNE	NNE	C	NNE	NNE	NNE	E	SE	E	E
	4	NNE	NNE	NNE	NNE	NNE	C	C	NNE	SSW	SSW	S	SW
	5	C	C	N	C	C	N	C	N	SW	SSE	ENE	NE
	6	C	NNE	NNE	NNE	NNE	NNE	NNE	S	SSW	SSW	ESE	E
	7	C	NE	C	C	C	C	NE	C	NE	NE	NNE	ENE
	8	C	C	SSW	C	C	C	SSW	SSW	SSW	SE	E	N
	9	C	SSE	C	C	C	C	C	S	S	E	ENE	ENE
	10	C	C	C	C	NE	ENE	S	SSW	SSW	SSW	SW	ESE
	11	C	C	C	C	C	C	C	ENE	SE	ENE	ENE	E
	12	C	C	C	C	C	C	C	SE	S	E	E	E
	13	C	C	C	C	C	C	SE	SSE	W	WNW	NE	NNE
	14	C	C	SSW	C	C	C	SSW	SSW	SSW	SW	E	ENE
	15	C	NE	NE	NE	S	S	S	S	E	NE	ENE	E
	16	C	C	C	NE	NE	NE	NE	ESE	SSE	NW	N	N
	17	C	NE	NE	NE	C	C	C	NE	SW	W	W	NNW
	18	C	C	C	C	C	SW	SW	SSE	ESE	E	SE	E
	19	ENE	E	E	C	E	E	E	E	E	E	ESE	E
	20	C	ENE	NW	SW	SW	SW	SW	SSW	S	E	ENE	N
	21	C	C	C	C	C	C	C	C	SW	WNW	SW	E
	22	C	C	C	C	C	C	C	C	C	SW	ESE	ESE
	23	C	C	C	C	C	SSE	C	SSE	SSE	E	E	E
	24	C	C	NE	ESE	C	SSE	SSE	S	S	E	E	E
	25	S	C	C	C	C	C	S	S	S	S	N	N
	26	S	C	C	C	C	C	S	S	WSW	NW	NW	WNW
	27	SE	SE	SE	C	C	C	SE	C	SE	SE	NNW	E
	28	S	S	C	S	S	S	S	S	S	SW	SW	WSW
	29	NNE	S	S	S	C	C	S	S	S	SSW	SSW	NE
	30	C	SE	SE	SE	SE	SE	SE	S	S	ENE	SSE	E
	31	C	C	C	C	C	C	NE	S	S	E	ENE	ENE

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	S	SE	ENE	NE	N	NE	C	C	C	C	C	NE
	2	NE	NE	NE	NE	NNE	NNE	C	C	C	C	C	C
	3	NE	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	C	C
	4	SW	N	N	NNE	N	C	C	C	C	C	C	C
	5	ENE	NNE	NE	NE	NE	NNE	C	C	C	C	C	C
	6	E	NE	NNE	NE	NNE	NE	NE	C	C	C	C	C
	7	NNE	NNE	NE	NE	N	NNE	NE	NE	NE	S	SSW	SSW
	8	NE	NNE	NNE	N	NNE	NE	C	C	NE	SSE	SSE	C
	9	ENE	NNE	NE	NE	NE	NE	NE	NE	C	C	C	C
	10	NE	ESE	NNE	NNE	NE	ENE	ENE	C	C	C	C	C
	11	N	ENE	NE	NE	ENE	ENE	ENE	ENE	E	SE	C	C
	12	ENE	ENE	ENE	ENE	ENE	NE	ENE	ENE	ESE	ESE	C	C
	13	NNE	N	N	NE	NE	NE	SE	SSW	SSW	SSW	SSW	SSW
	14	NE	N	NNE	NE	NE	NE	C	C	C	C	C	C
	15	N	NW	NW	NE	NE	NE	C	C	C	C	C	C
	16	NNW	N	N	NW	N	N	C	N	NE	C	C	C
	17	N	N	N	N	NNW	N	SSE	SW	SW	C	C	C
	18	E	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	ENE
	19	ESE	E	E	E	NE	NE	ENE	ENE	C	ENE	C	C
	20	NNW	NNW	N	NW	NW	NW	SW	SW	C	C	C	C
	21	NE	NNE	NE	N	N	WSW	SW	SW	C	C	C	C
	22	E	NE	ENE	NE	ENE	SSE	C	C	C	C	C	C
	23	E	ENE	NE	NE	NE	NE	C	C	C	C	C	C
	24	NNE	NNE	NNE	NNE	NE	NNE	NE	C	NE	NE	S	S
	25	N	N	NNE	NNE	NNE	NNE	NNE	C	NNE	SE	SSE	S
	26	NNE	N	N	N	NNW	NNW	SSW	SW	SSW	S	S	S
	27	N	NE	NE	N	N	NNW	WNW	SW	SW	SW	S	S
	28	N	NNW	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
	29	NE	NNE	NNE	NNE	NE	NNE	NE	NE	C	NE	NE	SE
	30	NNE	NNE	NNE	NNE	NE	NE	NE	NE	C	C	NE	NE
	31	N	NNE	NE	NNE	NE	NE	NE	NE	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	6.4	7.2	—
	2	2.4	2.4	3.2	3.2	1.6	0.0	0.0	0.0	1.6	3.2	4.0	3.2	—
	3	0.0	0.8	1.6	0.8	0.0	0.8	0.8	1.6	1.6	3.2	4.0	4.0	—
	4	0.8	0.8	1.6	1.6	0.8	0.0	0.0	2.4	3.2	2.4	2.4	2.4	—
	5	0.0	0.0	0.8	0.0	0.0	0.8	0.0	0.8	3.2	3.2	4.8	6.4	—
	6	0.0	1.6	1.6	0.8	3.2	3.2	4.0	5.6	4.8	3.2	4.8	4.8	—
	7	0.0	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	3.2	4.0	—
	8	0.0	0.0	0.8	0.0	0.0	0.0	0.8	3.2	2.4	3.2	3.2	6.4	—
	9	0.0	0.8	0.0	0.0	0.0	0.0	0.0	2.4	4.0	8.9	10.5	8.0	—
	10	0.0	0.0	0.0	0.0	0.8	1.6	3.2	4.8	6.4	4.0	3.2	3.2	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	3.2	10.5	13.7	12.9	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	4.8	11.3	12.9	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	1.6	2.4	8.0	11.3	—
	14	0.0	0.0	0.8	0.0	0.0	0.0	3.2	4.8	4.8	3.2	4.8	4.8	—
	15	0.0	1.6	1.6	4.8	1.6	1.6	3.2	2.4	3.2	5.6	12.9	12.9	—
	16	0.0	0.0	0.0	0.8	0.8	1.6	1.6	1.6	1.6	3.2	3.2	9.7	—
	17	0.0	0.8	0.8	0.8	0.0	0.0	0.0	2.4	1.6	2.4	3.2	4.0	—
	18	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	4.0	6.4	5.6	8.0	—
	19	1.6	1.6	1.6	0.0	0.8	2.4	3.2	8.9	12.9	16.9	16.1	16.1	—
	20	0.0	1.6	3.2	1.6	1.6	0.8	1.6	0.8	3.2	4.8	2.4	7.2	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	1.6	4.0	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	1.6	—
	23	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	8.0	10.5	9.7	—
	24	0.0	0.0	0.8	1.6	0.0	1.6	1.6	4.8	4.8	7.2	6.4	6.4	—
	25	1.6	0.0	0.0	0.0	0.0	0.0	1.6	0.8	1.6	1.6	2.4	5.6	—
	26	1.6	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	3.2	3.2	3.2	—
	27	3.2	0.8	0.8	0.0	0.0	0.0	0.8	0.0	0.8	2.4	4.0	4.8	—
	28	1.6	0.8	0.0	1.6	1.6	1.6	3.2	1.6	3.2	3.2	2.4	2.4	—
	29	3.2	4.8	3.2	0.8	0.0	0.0	0.8	2.4	6.4	4.0	4.0	4.8	—
	30	0.0	0.8	0.8	1.6	1.6	0.8	3.2	2.4	3.2	7.2	8.0	9.7	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	4.8	6.4	8.9	11.3	—
Hourly Means.		0.52	0.65	0.75	0.65	0.46	0.59	1.29	2.33	3.28	4.65	5.85	6.87	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	4.8	6.4	6.4	4.8	3.2	0.8	0.0	0.0	0.0	0.0	0.0	1.6	1.90
	2	4.0	6.4	11.3	7.2	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.40
	3	8.0	10.5	8.9	4.8	3.2	0.8	0.8	0.8	0.8	0.8	0.0	0.0	2.44
	4	3.2	4.8	7.2	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.63
	5	8.0	11.3	11.3	8.0	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.78
	6	6.4	8.0	11.3	12.1	5.6	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.54
	7	7.2	10.5	11.3	11.3	8.0	3.2	2.4	0.8	1.6	3.2	1.6	0.8	3.05
	8	5.6	8.0	8.9	10.5	9.7	3.2	0.0	0.0	0.8	1.6	0.8	0.0	2.88
	9	8.0	10.5	10.5	11.3	8.0	3.2	0.8	0.8	0.0	0.0	0.0	0.0	3.65
	10	6.4	8.9	12.9	10.5	9.7	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.32
	11	6.4	12.9	13.7	14.5	12.9	6.4	6.4	1.6	0.8	0.8	0.0	0.0	4.96
	12	12.9	14.5	19.3	15.3	11.3	3.2	0.8	0.8	0.8	0.8	0.0	0.0	4.76
	13	11.3	10.5	13.7	14.5	3.2	1.6	3.2	2.4	1.6	4.8	2.4	0.8	4.09
	14	9.7	12.1	12.9	14.5	11.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.75
	15	8.0	4.8	6.4	14.5	9.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.98
	16	9.7	9.7	10.5	9.7	5.6	1.6	0.0	0.8	3.2	0.0	0.0	0.0	3.12
	17	8.0	8.0	8.0	8.0	9.7	4.8	6.4	1.6	1.6	0.0	0.0	0.0	3.00
	18	11.3	12.1	12.9	11.3	7.2	8.0	8.0	4.8	1.6	1.6	0.8	0.8	4.65
	19	15.3	20.9	15.3	14.5	7.2	4.8	1.6	0.8	0.0	0.8	0.0	0.0	6.80
	20	8.9	7.2	6.4	5.6	1.6	4.0	1.6	0.8	0.0	0.0	0.0	0.0	2.70
	21	8.0	11.3	9.7	5.6	1.6	3.2	2.4	0.8	0.0	0.0	0.0	0.0	2.21
	22	2.4	3.2	10.5	0.8	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.17
	23	8.0	12.1	13.7	12.1	8.9	4.8	0.0	0.0	0.0	0.0	0.0	0.0	3.79
	24	11.3	12.9	11.3	10.5	6.4	4.8	0.8	0.0	0.8	3.2	2.4	1.6	4.22
	25	8.0	10.5	9.7	8.0	7.2	4.0	0.8	0.0	0.8	3.2	3.2	1.6	3.01
	26	8.0	10.5	11.3	8.0	6.4	2.4	3.2	0.8	1.6	3.2	1.6	1.6	3.14
	27	8.9	10.5	10.5	8.9	4.8	1.6	1.6	1.6	0.8	4.8	3.2	1.6	3.18
	28	4.8	8.0	8.0	8.9	8.9	4.8	1.6	0.8	1.6	1.6	1.6	1.6	3.14
	29	4.0	11.3	12.9	12.1	8.0	3.2	1.6	0.8	0.0	0.8	1.6	0.8	3.81
	30	13.7	13.7	14.5	14.5	10.5	6.4	0.8	0.8	0.0	0.0	0.8	0.8	4.83
	31	11.3	14.5	17.7	16.1	12.1	4.8	1.6	0.8	0.0	0.0	0.0	0.0	4.90
Hourly Means.		8.11	10.21	11.25	10.08	6.98	3.23	1.55	0.72	0.59	1.01	0.65	0.44	3.45

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	1	2	2	1	1	2	2	1	2	1	0	0	—
	2	4	6	6	5	6	5	6	4	8	6	3	3	—
	3	2	6	4	5	3	2	0	0	0	0	0	7	—
	4	8	9	9	8	4	3	10	4	1	1	1	3	—
	5	2	1	0	0	2	4	3	2	2	2	1	3	—
	6	8	6	6	1	1	2	1	1	1	1	4	6	—
	7	8	6	7	6	6	6	8	7	8	7	6	7	—
	8	3	6	9	10	10	10	10	6	6	5	3	3	—
	9	9	6	2	2	0	2	4	0	0	0	0	1	—
	10	9	5	4	2	2	6	2	0	0	0	2	4	—
	11	1	1	0	0	0	1	3	1	1	0	1	9	—
	12	10	6	6	5	5	6	3	2	1	1	1	3	—
	13	1	3	1	0	0	1	0	0	0	0	0	6	—
	14	1	0	0	0	0	2	2	2	3	3	4	6	—
	15	2	7	2	4	9	10	8	7	8	7	7	7	—
	16	7	2	7	6	7	8	7	5	4	7	8	9	—
	17	10	10	10	7	9	6	9	7	8	7	8	9	—
	18	5	8	10	10	10	10	10	10	9	10	10	10	—
	19	10	10	10	10	9	6	7	3	5	7	9	9	—
	20	10	4	10	10	10	10	9	10	7	5	6	7	—
	21	1	1	1	2	1	2	6	4	7	8	9	8	—
	22	3	2	3	9	10	10	10	9	9	10	9	9	—
	23	2	2	2	3	6	8	10	7	7	7	7	9	—
	24	0	0	0	0	0	2	3	1	1	1	3	3	—
	25	2	5	10	2	2	2	3	5	3	4	5	4	—
	26	1	1	1	2	2	1	1	0	0	4	6	6	—
	27	10	10	10	10	10	10	10	9	8	9	9	6	—
	28	3	5	4	4	2	4	10	9	7	9	10	10	—
	29	10	9	9	10	9	8	9	10	4	1	3	6	—
	30	5	2	2	3	2	8	7	0	0	3	1	3	—
	31	8	0	1	1	1	1	2	0	0	1	1	3	—
Hourly Means.		5.0	4.5	4.8	4.5	4.5	5.1	5.6	4.1	3.9	4.1	4.4	5.8	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	4	4	8	5	6	5	4	7	4	7	3	3	3.1
	2	4	2	1	1	0	5	1	0	1	1	0	1	3.3
	3	8	8	6	8	9	6	3	2	4	8	4	2	4.0
	4	1	0	0	0	0	2	1	3	3	3	1	1	3.2
	5	3	4	2	1	0	1	2	1	1	10	10	7	2.7
	6	6	4	7	8	8	4	3	2	2	4	3	1	3.8
	7	4	1	1	2	4	8	2	7	10	3	6	4	5.6
	8	2	3	1	2	1	6	5	4	6	8	2	6	5.3
	9	1	0	0	0	0	0	1	2	1	2	1	2	1.5
	10	3	2	1	1	2	3	2	2	1	5	5	4	2.8
	11	7	4	7	5	3	2	2	1	1	2	0	0	2.2
	12	8	7	6	8	2	5	3	4	2	2	2	2	4.2
	13	3	4	8	7	8	9	8	5	2	2	2	3	3.0
	14	4	2	6	3	3	5	3	6	1	3	3	1	2.6
	15	10	10	4	4	6	6	9	10	9	9	10	9	7.3
	16	8	8	9	8	9	9	9	9	4	3	3	5	6.7
	17	9	10	10	9	10	10	10	7	4	2	2	1	7.7
	18	7	8	7	4	7	9	8	5	10	9	5	5	8.2
	19	9	6	10	10	10	7	2	1	2	2	1	2	6.5
	20	6	10	5	5	8	9	10	6	4	3	3	3	7.1
	21	9	7	9	6	10	9	6	9	9	8	8	3	6.0
	22	9	8	10	10	10	8	8	9	3	2	1	1	7.2
	23	7	6	4	4	7	4	2	2	1	1	0	0	4.5
	24	6	2	3	2	2	3	9	9	9	10	9	9	3.6
	25	4	4	2	2	6	4	10	10	10	6	6	7	4.9
	26	3	2	1	2	1	7	10	10	10	10	10	10	4.2
	27	4	3	4	4	6	10	9	7	7	5	6	4	7.5
	28	8	8	9	7	8	7	8	9	10	7	10	10	7.4
	29	10	7	5	5	6	6	7	3	8	10	10	10	7.3
	30	4	2	2	2	2	2	4	2	1	1	2	4	2.7
	31	5	5	4	1	2	3	6	10	10	10	10	10	4.0
Hourly Means.		5.7	4.9	4.9	4.4	5.0	5.6	5.4	5.3	4.8	5.1	4.5	4.2	4.84

DURATION OF SUNSHINE.

AUGUST.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	10	10	9	7	10	10	10	10	10	9	9	6	7	2	1	1	7.6
2	8	6	6	5	8	10	10	10	10	10	9	7	10	10	10	10	8.7
3	8	8	9	10	10	9	10	7	8	8	6	5	3	8	8	4	7.6
4	7	10	10	10	10	10	9	9	8	10	10	10	9	10	10	10	9.5
5	9	10	10	10	10	10	10	10	10	9	9	7	8	10	10	10	9.5
6	8	8	9	10	10	10	9	7	6	6	6	7	9	9	7	7	8.0
7	6	6	3	4	8	8	10	7	4	8	7	9	10	10	10	8	7.4
8	6	9	7	9	10	10	9	3	8	7	9	8	9	9	9	9	8.2
9	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	9.9
10	10	10	10	10	10	10	10	9	7	7	10	10	6	10	10	10	9.3
11	10	10	10	10	10	10	10	8	4	4	6	7	10	6	1	1	7.3
12	9	10	10	10	10	10	9	10	9	9	3	7	9	8	8	1	8.3
13	10	10	10	10	10	10	10	10	10	10	10	9	7	8	3	6	8.9
14	10	10	9	7	10	8	8	4	6	8	8	8	5	1	10	6	7.4
15	9	9	9	10	10	5	7	4	6	3	1	0	4	10	8	7	6.4
16	8	6	7	4	6	7	4	5	3	3	4	4	3	2	1	4	4.4
17	8	9	4	1	4	6	7	6	3	0	0	1	0	0	0	0	3.1
18	0	0	0	0	0	1	4	1	4	6	9	7	4	3	7	9	3.4
19	10	9	7	5	6	7	6	2	5	4	5	8	9	6	0	0	5.6
20	0	2	9	7	10	6	6	8	4	9	4	0	1	5	4	8	5.2
21	6	4	8	7	7	6	4	7	7	3	3	4	7	4	1	1	4.9
22	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0.3
23	1	1	1	4	7	9	7	2	3	6	6	7	9	9	9	9	5.6
24	10	10	10	10	10	10	10	10	10	10	8	9	10	10	10	10	9.8
25	10	10	10	10	10	10	3	4	10	9	8	10	7	9	9	10	8.7
26	10	10	10	9	8	5	7	5	6	5	10	10	10	10	10	10	8.4
27	0	2	6	7	7	9	6	9	6	10	10	8	3	5	5	2	5.9
28	0	0	2	3	5	5	5	4	4	2	3	3	5	2	2	4	3 1
29	3	1	8	9	9	9	9	8	7	4	6	9	3	9	9	9	7.0
30	10	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10	9.9
31	10	10	10	10	9	9	10	10	8	8	7	9	8	10	10	10	9.3
Hourly Means.	7.0	7.1	7.5	7.4	8.2	8.0	7.7	6.7	6.6	6.6	6.6	6.7	6.6	7.0	6.5	6.3	7.03

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

AUGUST.

Mean Batavia Time.	7^h30 A. M.	8	8^h30	9	9^h30	10	10^h30	11	11^h30	12	0^h30 P. M.	1	1^h30	2	2^h30	3	3^h30	4	4^h30
1	27.0	37.1	40.1	42.9	38.9	47.4	48.2	49.3	49.2	49.6	49.8	48.9	51.1	50.4	51.1	42.0	40.4	33.9	32.0
2	26.9	34.1	37.8	40.3	39.5	42.9	48.4	48.9	49.4	49.9	50.4	51.4	49.1	48.4	49.9	48.1	47.4	44.7	37.4
3	27.4	35.9	37.4	49.4	45.4	44.4	50.1	50.3	50.4	46.4	48.1	49.5	51.3	46.0	41.4	48.8	44.9	36.2	32.6
4	25.5	34.2	40.9	45.4	46.1	49.4	49.7	49.6	48.6	45.4	51.0	53.4	53.4	53.4	53.9	48.9	49.4	46.3	40.4
5	27.9	32.9	41 0	44.2	45.8	48.2	49.2	50.0	50.1	50 4	51.0	51.2	52.3	49.4	48.4	47.8	46.9	45.0	37.9
6	29.8	37.8	39 9	43.4	46.6	48.5	50.0	51.9	54.4	43.9	50 7	50.4	46.9	49.2	49.9	48.3	43.4	41 1	33.4
7	25.9	35.1	38.0	37.4	41.0	47.6	46.5	50.4	49.8	47.9	50.9	46.7	49.2	50.0	49.9	47.9	45.6	43.2	36.1
8	25.8	33.9	42.8	43.4	44.5	48.4	51.4	52.4	53.6	48.4	52.1	50.9	51.7	50.8	49.6	48.1	46.0	45.6	34.6
9	29.9	38.9	41.4	45.5	47.1	48.7	49.2	50.4	50.8	50.9	51.3	52.4	51.7	51.3	51.0	48.9	47.9	44.4	40.4
10	30.4	40.3	42.9	45.6	47.4	48.9	49.7	51.0	51.0	52.2	51.4	52.0	52.2	49.3	48.0	48.2	47.0	43.9	36.4
11	29.9	39.5	42.1	45.4	46.8	48.5	48.7	49.9	51.0	43.7	41.7	38.9	50.9	50.4	50.4	38.8	35.4	37.4	35.1
12	29.3	36.4	41.7	45.9	47.2	49.6	50.1	49.8	50.4	51.0	49.9	48.6	48.5	52.9	55.4	49.0	49.4	36.7	33.0
13	32.3	40.9	43.1	46.4	47.5	50.4	51.7	52.4	52.2	52.9	52.1	52.9	53.4	43.9	45.9	48.9	40.9	42.5	33.0
14	31.0	41.0	43.7	46.9	44.5	50.2	51.5	52.6	46.6	42.6	48.2	49.4	52.7	50.4	41.9	43.4	43.4	43.4	35.4
15	27.2	40.0	42.2	46.4	48.1	49.4	49.0	49.5	53.4	50.7	47.9	40.2	—	—	38.9	46.5	43.0	45.4	34.4
16	29.1	40.4	41.8	42.7	44.7	46.7	49.2	43.4	43 8	46.1	41.2	45.4	44.3	46.0	42.8	37.1	35.6	39.9	37.1
17	26.4	34.9	39.2	44.8	37.0	41.1	43.9	40.5	49.0	46.2	35.7	37.9	38.8	34.3	32.4	31.4	31.5	30.7	30.4
18	23.5	25.4	27.5	29.9	30.0	25.9	32.9	41.4	44.3	43.9	43.8	50.0	49.7	45.3	41.5	44.9	47.2	44.1	37.4
19	33.8	41.9	44.1	45.3	42.9	46.1	45.4	41.9	44.6	42.1	40.0	41.3	47.4	49.9	49.4	40.4	—	—	26.4
20	23.3	24.6	26.6	43.9	46.5	47.9	49.8	44.9	44.1	52.9	40.2	41.9	40.7	32.9	35.9	40.4	41.4	39.2	36.4
21	32.9	33.4	33.1	41.4	41.2	45.6	47.2	42.5	43.4	49.3	42.6	43.9	48.1	46.9	49.1	36.0	36.6	35.6	32.4
22	24.7	28.5	32.2	33.4	33.4	34.1	34.7	35.9	37.5	38.9	38.2	39.5	37.1	40.1	41.4	—	—	21.8	22.4
23	23.6	28.9	31.0	34.9	38.6	41.4	45.3	49.4	44.7	40.4	43.1	42.3	47.1	47.4	51.9	49.4	48.2	44.2	42.2
24	31.0	37.7	41.1	44.4	46.5	48.4	49.9	48.4	48.9	52.1	48.9	47.9	47.9	46.9	46.4	47.4	47.4	42.9	35.4
25	32.7	39.9	42.7	46.4	47.1	47.9	48.4	48.4	38.4	49.4	51.0	51.9	49.2	48.9	46.7	47.2	45.4	44.7	42.0
26	34.3	41.3	43.9	47.4	46.6	45.5	48.0	45.1	52.0	41.4	40.9	51.9	51.2	49.9	49.6	47.9	47.0	44.1	42.0
27	26.1	30.8	34.4	39.4	42.3	47.3	47.1	43.9	48.7	53.4	45.6	52.4	51.1	47.4	46.9	47.8	45.6	42.2	41.9
28	25.0	29.4	31.1	45.4	40.8	44.4	46.1	47.4	49.2	46.4	47.6	41.4	44.9	49.9	49.9	39.9	40.4	41.8	38.4
29	27.1	38.2	33.2	44.3	47.1	44.9	50.0	50.6	52.6	47.2	51.1	35.4	50.4	48.9	48.3	49.0	46.4	41.9	32.4
30	33.1	39.1	42.5	46.4	47.6	49.1	49.8	50.4	51.1	51.4	49.7	51.0	50.6	49.9	49.5	48.3	46.4	43.2	40.4
31	33.9	40.0	42.8	46.0	48.1	47.4	45.3	52.0	51.6	52.3	50.6	51.1	51.4	52.9	46.9	47.6	45.8	42.6	39.7
Means.	28.60	35.88	38.78	43.37	43.77	46.01	47.63	47.89	48 54	47.72	46.99	47.16	48.81	47.78	46.91	45.28	44.00	40.95	35.77

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	17	11	14	8	14	19	36	72	55	30	19	11	—
	2	61	63	63	63	83	74	69	88	94	80	39	19	—
	3	25	22	33	19	28	28	55	96	47	8	11	11	—
	4	44	47	52	69	63	63	50	129	77	36	17	14	—
	5	25	36	39	22	19	22	36	116	63	39	36	19	—
	6	58	39	50	28	19	52	91	94	77	36	17	17	—
	7	22	14	19	19	22	33	63	138	127	47	30	25	—
	8	30	25	25	11	11	28	47	77	33	17	8	11	—
	9	36	41	28	25	19	30	55	94	39	25	14	8	—
	10	30	44	33	22	47	47	94	30	36	17	— 3	6	—
	11	44	44	36	25	25	30	94	116	77	28	25	17	—
	12	—	—	—	—	—	50	110	173	25	39	39	19	—
	13	50	39	36	28	19	36	63	110	58	17	19	14	—
	14	44	33	33	25	25	44	85	80	44	28	19	28	—
	15	—	—	—	—	—	—	105	85	69	33	36	30	—
	16	19	14	11	8	14	17	55	66	52	30	17	22	—
	17	14	30	33	17	14	11	19	39	41	28	17	8	—
	18	—	—	—	—	—	—	—	22	36	39	55	39	—
	19	25	17	14	11	14	41	96	88	61	25	22	19	—
	20	—	—	—	—	—	—	—	25	—	118	74	83	—
	21	N	110	99	105	105	127	165	—	—	—	—	—	—
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	127	47	50	50	66	—
	25	66	28	69	63	58	69	58	77	47	36	33	30	—
	26	—	—	—	—	—	74	116	132	80	52	52	52	—
	27	47	63	55	55	61	107	99	14	55	17	39	47	—
	28	—	—	—	—	—	—	—	107	83	52	50	44	—
	29	74	91	55	58	66	80	107	102	55	41	36	25	—
	30	39	39	41	33	14	36	74	—	44	—	—	—	—
	31	149	140	146	129	127	129	124	—	—	—	—	—	—
Hourly Means.		43.8	45.0	44.7	38.3	39.4	52.0	78.6	88.3	58.5	37.2	29.7	26.3	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	8	6	8	17	.33	55	47	41	36	44	39	39	28.3
	2	8	11	14	17	19	36	138	193	135	74	72	28	64.2
	3	14	19	22	14	28	69	149	140	77	74	47	33	44.5
	4	8	6	14	8	14	80	96	129	118	118	52	33	55.7
	5	17	8	33	28	36	55	94	94	105	96	74	66	49.1
	6	11	8	22	11	63	83	146	118	83	85	55	25	53.7
	7	14	19	17	11	22	41	61	121	55	44	55	33	43.8
	8	19	11	11	8	28	74	132	154	124	50	41	36	42.1
	9	11	3	8	19	44	66	88	66	69	63	63	50	40.2
	10	6	6	19	11	3	55	94	110	94	72	28	52	39.7
	11	6	3	41	52	47	88	39	3	11	—	—	—	40.5
	12	11	11	8	22	47	77	94	129	72	105	102	77	63.7
	13	14	30	105	N	66	107	154	80	69	72	58	50	56.3
	14	19	28	11	30	17	80	110	129	72	83	113	—	51.3
	15	33	P N	47	17	50	72	77	33	47	19	22	25	47.1
	16	22	19	22	55	61	P N	14	50	25	28	36	39	30.3
	17	25	25	80	127	151	P N	P N	—	—	—	—	—	39.9
	18	25	28	36	41	36	74	80	121	151	44	41	33	53.0
	19	25	28	55	52	0	44	44	50	25	17	6	—	33.9
	20	124	N	85	99	140	P	N	124	154	138	165	165	114.9
	21	—	—	—	—	—	—	—	—	—	—	—	—	118.5
	22	—	—	—	—	—	—	—	—	—	—	—	—	—
	23	—	—	—	—	—	—	—	—	—	—	—	—	—
	24	74	63	61	52	72	17	116	132	116	91	69	58	74.2
	25	30	41	83	74	63	—	—	—	—	—	—	—	54.4
	26	44	52	58	61	99	157	248	—110	107	107	77	52	79.5
	27	39	47	28	47	39	36	17	—	—	—	—	—	48.0
	28	33	17	19	55	55	77	96	154	118	72	30	52	65.5
	29	28	17	39	39	52	61	102	124	94	113	47	44	64.6
	30	39	39	19	17	41	66	63	107	146	146	140	132	63.8
	31	—	—	—	—	—	—	—	—	—	—	—	—	134.9
Hourly Means.		26.2	21.8	35.7	37.8	49.1	68.3	95.8	95.5	87.6	76.3	62.3	53.4	53.83

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	9.69	9.07	9.29	9.28	9.06	9.91	10.20	10.51	10.79	10.66	10.00	9.41	—
	2	10.22	9.93	9.80	9.81	9.78	10.06	10.61	10.82	10.95	10.68	10.30	9.70	—
	3	9.81	9.31	9.31	9.03	9.29	9.65	10.19	10.66	10.71	10.54	10.09	9.37	—
	4	8.94	8.41	8.45	8.43	8.55	8.72	9.09	9.62	9.79	9.44	8.79	8.43	—
	5	8.39	7.99	7.90	7.77	7.85	8.02	8.72	8.80	8.94	8.68	8.21	7.64	—
	6	6.99	7.01	6.77	7.12	7.14	7.71	7.98	8.29	8.44	8.32	7.70	6.94	—
	7	7.79	7.66	7.45	7.69	7.71	7.89	8.19	8.91	8.78	8.63	8.30	7.75	—
	8	7.91	7.74	7.65	7.67	7.74	7.96	8.33	8.69	9.06	8.79	8.30	7.72	—
	9	7.78	7.74	7.29	7.15	7.33	7.55	8.11	8.58	8.70	8.41	7.81	7.28	—
	10	8.58	8.00	7.58	7.85	8.21	8.69	9.00	9.61	9.98	9.60	9.16	8.52	—
	11	10.00	9.36	9.28	9.41	9.72	10.07	10.71	11.37	11.50	11.68	10.95	10.30	—
	12	9.46	9.10	9.14	8.96	8.90	9.43	10.05	10.19	10.53	10.40	9.61	9.04	—
	13	9.69	9.40	9.21	9.24	9.51	9.83	10.25	10.66	11.01	10.79	10.40	9.71	—
	14	9.60	9.28	9.00	8.71	9.02	9.25	9.91	10.26	10.35	10.09	9.62	8.94	—
	15	8.54	8.35	8.04	7.99	8.09	8.29	8.71	9.19	9.50	9.84	9.38	8.91	—
	16	9.64	9.25	8.87	8.72	8.62	8.92	9.43	10.27	10.45	10.68	10.08	9.46	—
	17	9.49	9.29	8.95	8.96	9.17	9.59	10.14	10.89	10.86	10.60	10.09	9.50	—
	18	9.80	9.41	8.98	8.86	9.20	9.64	10.01	10.47	10.63	10.37	10.04	9.69	—
	19	9.78	9.35	9.28	9.34	9.50	9.82	10.59	10.96	11.11	10.79	10.07	9.17	—
	20	9.38	9.27	9.03	9.04	9.39	9.78	10.27	10.54	10.64	10.11	9.44	8.61	—
	21	8.71	8.41	8.08	8.29	8.49	8.84	9.54	9.81	10.04	9.81	9.00	8.18	—
	22	8.72	8.57	8.42	8.45	8.72	9.16	9.46	9.80	10.08	10.05	9.55	8.90	—
	23	9.94	9.55	9.28	9.43	9.66	10.10	10.53	10.85	10.78	10.44	9.75	8.93	—
	24	10.27	10.02	9.91	9.93	10.37	10.60	10.97	11.32	11.55	11.13	10.39	9.22	—
	25	9.53	9.15	8.93	9.09	9.39	9.69	10.28	10.60	10.52	10.20	9.49	8.67	—
	26	8.81	8.71	8.69	8.77	9.51	9.91	10.49	10.94	11.23	10.90	10.23	9.37	—
	27	10.00	9.63	9.64	9.49	9.71	10.12	10.44	10.59	10.78	10.36	9.84	9.20	—
	28	9.53	9.35	9.19	8.95	9.20	9.41	10.11	10.94	11.18	11.78	11.15	10.61	—
	29	9.41	9.00	9.19	9.31	9.32	9.56	10.01	10.44	10.53	10.49	9.97	9.47	—
	30	9.74	9.49	9.36	8.99	9.35	9.96	10.49	10.70	10.59	10.48	10.05	9.38	—
Hourly Means.		9.20	8.89	8.73	8.72	8.92	9.27	9.76	10.18	10.33	10.16	9.59	8.93	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	8.96	8.35	7.63	7.80	8.16	8.53	9.43	9.99	10.33	10.81	10.81	10.49	9.55
	2	9.06	8.58	8.26	9.01	9.46	9.61	9.32	9.79	10.23	10.20	10.21	9.96	9.85
	3	9.13	8.37	7.92	7.77	7.73	8.46	8.69	9.09	9.75	9.83	9.78	9.73	9.34
	4	7.76	7.13	6.85	7.01	7.69	7.99	8.75	9.21	9.29	9.30	9.01	8.88	8.56
	5	7.03	6.34	5.87	5.81	6.02	6.58	7.45	8.03	8.33	8.35	8.30	7.90	7.71
	6	6.28	5.65	5.17	5.17	5.42	6.05	6.59	7.62	8.01	8.25	8.34	8.14	7.13
	7	6.76	6.38	5.68	5.80	6.08	6.72	7.07	7.74	8.26	8.32	8.39	8.28	7.59
	8	6.85	6.42	6.15	5.93	6.17	6.63	7.53	8.17	8.77	8.90	8.66	8.24	7.75
	9	6.58	6.23	5.85	5.96	6.43	7.42	8.01	8.25	8.44	8.81	9.19	9.03	7.66
	10	7.85	7.47	7.19	6.65	7.17	7.67	8.79	9.59	10.31	10.70	10.58	10.25	8.71
	11	9.21	8.40	7.69	7.73	8.08	8.94	9.30	9.73	10.04	10.03	10.19	9.80	9.73
	12	8.46	7.87	7.51	7.27	7.72	8.18	9.03	9.53	10.48	10.55	10.52	10.03	9.25
	13	8.68	8.18	7.73	7.38	7.98	8.18	9.12	9.75	10.31	10.78	10.73	10.18	9.53
	14	8.33	7.45	6.86	6.51	7.31	8.00	8.36	8.54	8.95	9.35	9.16	8.85	8.82
	15	8.63	7.88	7.66	7.73	8.24	8.91	9.38	10.25	10.46	10.54	10.50	10.17	8.97
	16	8.57	7.99	7.87	8.08	8.04	8.58	9.26	9.74	9.93	10.28	10.56	10.16	9.31
	17	9.04	8.24	7.91	7.88	8.04	8.64	9.00	9.44	9.68	10.07	10.09	10.08	9.40
	18	8.85	8.07	7.92	8.03	8.08	8.54	8.98	9.54	9.80	10.12	10.28	10.10	9.39
	19	8.37	7.78	7.57	7.54	7.61	8.09	8.45	9.16	9.57	9.80	9.61	9.68	9.29
	20	7.95	7.57	7.32	7.18	7.37	7.62	8.51	9.22	9.39	9.39	9.44	9.01	8.98
	21	7.13	6.61	6.17	6.85	6.69	7.04	7.89	8.54	9.11	9.49	9.41	8.89	8.38
	22	8.33	7.76	7.48	7.62	7.77	8.27	8.95	9.67	9.80	10.27	10.31	10.19	9.01
	23	8.13	7.62	7.36	7.61	8.22	8.79	9.49	10.45	11.00	11.33	11.24	10.85	9.64
	24	8.42	7.71	7.27	6.97	7.38	8.07	8.80	9.65	9.83	10.13	10.49	9.92	9.60
	25	7.86	7.20	7.10	6.92	7.31	7.86	8.21	8.88	9.22	9.59	9.57	9.19	8.94
	26	8.58	7.88	7.41	7.30	7.68	8.41	8.85	9.34	10.14	10.54	10.58	10.29	9.36
	27	8.57	8.08	7.63	7.46	7.82	8.33	8.92	9.48	10.02	10.50	10.60	9.84	9.46
	28	9.43	8.85	8.35	8.22	8.25	8.85	9.19	9.62	10.04	10.34	10.23	10.00	9.70
	29	8.51	7.66	7.27	7.07	7.94	8.68	8.90	10.00	10.35	10.68	10.63	10.35	9.36
	30	8.37	8.19	7.43	7.65	7.90	8.59	8.87	9.36	9.76	10.20	10.38	9.65	9.37
Hourly Means.		8.19	7.60	7.20	7.20	7.53	8.07	8.64	9.25	9.65	9.92	9.93	9.60	8.98

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	77.3	76.4	75.2	74.7	74 0	73.2	73.7	76.2	79.9	82.6	84.6	86.1	—
	2	75.5	74.7	74.9	74.5	74.0	73.2	73.5	76.0	80.2	82.6	84.5	86.5	—
	3	75.3	75.0	75.0	74.6	74.4	74.2	74.3	75.9	78.8	81.9	83.5	85.0	—
	4	75.7	74.7	74.3	73.6	73.4	72.7	73.7	77.0	79.6	83.2	84.0	86.2	—
	5	73.5	73.0	72.4	71.9	71.6	71.2	72.0	74.3	78.0	81.2	83.8	83.2	—
	6	75.0	74.2	73.8	73.0	72.8	72.0	73.0	76.0	79.5	82.5	84.6	86.3	—
	7	75.1	74.3	73.9	73.3	72.9	72.4	73.0	75.2	79 1	81.5	84.2	85.4	—
	8	74.0	73.5	73.0	72.5	72.3	72.1	72.3	74 8	78.5	81.2	83.4	85.0	—
	9	76.5	76.8	76 4	76.2	75.8	75.2	75.8	78.0	81.6	85.7	87.4	88.0	—
	10	77.6	77.0	76.4	76.0	75.7	75 2	75.4	79.5	82.2	84.0	85.0	86.0	—
	11	74.0	73.7	73.3	73.5	73.5	73.3	73.2	74.1	76.7	78.0	80.6	83.0	—
	12	75.0	74.4	73.7	73.1	72.7	72.3	73.2	76.6	79.5	81.7	84.0	84.3	—
	13	74.9	74.4	74.0	73.5	73.1	72.6	73.0	75.4	78.2	82.0	83.9	85.3	—
	14	75.1	74.5	74.1	73.8	73.6	73.4	74.2	77.0	80.0	82.2	84.9	85.1	—
	15	74.7	74.9	74.9	74.9	74.7	74.5	74.4	75.7	77.7	79.0	81.4	78.8	—
	16	72.8	72.8	72.8	72.3	72.3	72.1	72.5	75.0	77.0	79.0	81.1	83.0	—
	17	74.7	75.0	74.8	74.2	73.8	74.3	74.0	75.3	79.0	80.8	82.1	82.6	—
	18	75.7	74.8	74.0	73.3	72.9	72.6	73.3	76.5	80.0	81.7	83.9	83.9	—
	19	75.6	75.4	75.4	74.6	74.0	73.4	74.3	76.8	79.4	82.6	85.0	86.9	—
	20	76.5	76.1	76.1	75.1	74.1	73.9	74.9	77.4	81.2	83.7	85.6	87.5	—
	21	74.6	74.5	74.5	74.5	74.5	74.4	75.1	77.1	79.8	81.9	83.7	85.0	—
	22	72.3	71.4	71.0	71.0	70.0	68.9	70.3	74.0	77.0	81.7	83.7	85.5	—
	23	72.2	71.2	70.4	69.9	69.1	68.8	70.0	73.8	78.1	81.3	83.8	85.0	—
	24	73.0	72.0	71.2	70.7	70.0	69.6	71.0	73.6	77.3	81.0	83.6	85.9	—
	25	77.0	76.4	76.1	76.0	75 6	75.1	76.0	78.6	81.4	83.7	85.3	86.6	—
	26	78.4	77.7	77.3	75.9	74.6	74.4	75.6	78.0	81.0	83.8	85.0	85.7	—
	27	74.0	73.6	73.2	73.0	72.8	72.3	73.9	77.0	80.7	83.6	84.9	86.1	—
	28	75.8	75.3	74.8	74.8	74.7	74.9	76.0	77.0	79 0	73.4	74.0	75.0	—
	29	74.0	73.1	72.6	72.1	71.7	71.4	73.2	77.5	80.6	82.8	85.2	85.6	—
	30	76.0	75.2	75.0	74.7	74.1	73.8	74.8	77.0	79.9	82.3	84.2	84.7	—
Hourly Means.		75.06	74.53	74.15	73.71	73.29	72.91	73.65	76.21	79.36	81.75	83.70	84.77	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	85.3	85.5	84.9	83.9	83.1	82.0	80.6	79.7	78.3	77.6	77.0	76.0	79.49
	2	85.7	85.7	84.9	82.7	77.1	75.2	74.6	75.3	75.1	74.8	75.0	75.6	77.99
	3	85.4	84.7	84.3	83.9	83.0	81.8	80.9	80.1	78.6	77.6	76.8	76.5	79.23
	4	86.4	84.0	80.4	79.4	73.6	74.1	74.6	74.8	74.4	74.0	73.7	73.6	77.13
	5	84.5	84.2	82.8	84.2	83.7	82.0	80.1	79.0	77.8	77.0	76.1	75.4	78.04
	6	86.0	85.6	85.4	84.8	83.5	82.2	81.0	79.6	79.4	78.6	77.0	76.1	79.25
	7	85.2	85.5	87.0	86.0	84.7	82.7	80.6	79.3	77.2	76.2	75.2	74.5	78.93
	8	84.6	85.3	84.7	84.7	83.8	82.5	81.7	80.7	78.8	77.8	77.0	76.8	78.79
	9	88.7	87.0	86.3	84.6	83.2	81.3	80.5	80.0	79.0	78.2	77.8	77.5	80.73
	10	86.2	83.9	82.2	82.0	81.5	81.0	80.2	76.4	76.2	76.0	75.3	74.3	79.38
	11	84.2	84.7	84.9	84.7	83.4	78.0	77.7	76.6	76.3	76.2	75.9	75.5	77.71
	12	85.7	85.6	84.7	84.0	83.0	81.9	80.0	78.3	74.8	75.4	75.2	75.0	78.50
	13	85.5	84.9	84.0	83.7	83.1	82.0	80.1	78.9	78.3	77.4	76 3	75.6	78.75
	14	84.2	85.0	84.8	84.0	83.1	78.1	76.0	75.6	75.0	74.7	74.9	74.6	78.25
	15	77.9	78.3	78.9	78.8	77.7	75.4	74.8	75.0	74.7	73.9	73.1	72.9	76 13
	16	82.7	81.4	81.1	81.0	80.5	79.9	79.0	76.0	75.1	74.9	75.1	74.9	76.85
	17	83.0	83.4	84.0	82.7	81.5	80.5	79.7	78.6	77.8	77.0	76.5	76.1	78.39
	18	85.5	85.7	83.8	83.2	83.0	82.0	80.9	79.3	78.4	77.4	77.0	76.6	78.98
	19	88.6	89.0	87.1	85.9	84.1	82.7	81.9	80.9	79.5	79.0	78.1	77.5	80.32
	20	87.0	86.5	85.2	84.5	83.6	82.2	81.7	77.7	74.8	74.4	74.6	74.9	79.55
	21	85.6	85.4	84.1	76.2	75.7	76.5	76.3	75.5	75.0	74.6	74.1	73.2	77.58
	22	86.5	86.3	85.5	84.1	82.6	81.0	78.2	76.6	75.0	73.9	73.5	72.8	77.20
	23	86.1	86.5	85.7	84.5	83.2	81.3	80.8	79.6	77.6	76.1	75.0	73.8	77.66
	24	86.4	85.5	84.7	83.8	83.0	81.4	80.1	79.2	78.7	78.1	78.2	77.5	78.15
	25	86.7	86.7	85.8	85.0	84.0	82.7	82.0	81.8	81.0	80.0	79.6	78.9	80 92
	26	86.9	86.8	85.3	84.5	83.5	82.5	81.8	81.4	78.4	76.2	75.2	74.3	80.18
	27	86.5	86.0	85.1	83 9	82.9	82.1	80.8	80.0	79.0	77.5	77.1	76.2	79.26
	28	77.3	80.0	80.5	80.9	81.1	80.1	78.2	77.0	76.1	75.4	74.9	74.5	76.70
	29	86.4	85.6	85 7	84.9	82.1	81.3	80.0	78.5	78.3	77.7	76.5	76.5	78.89
	30	85.3	79.9	84.8	84.1	83.1	80.3	78.8	79.3	78.1	77.5	76.7	75.8	78.98
Hourly Means.		85.20	84.82	84.29	83.35	82.05	80.56	79.45	78.36	77.22	76.50	75.95	75.45	78.60

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	883	906	914	913	903	903	887	826	736	629	592	581	—
	2	889	897	888	879	903	903	895	849	702	670	580	529	—
	3	847	880	888	896	913	921	896	808	717	631	619	600	—
	4	840	862	845	877	894	885	853	795	728	651	641	618	—
	5	947	946	937	946	955	954	928	896	791	678	628	698	—
	6	922	947	947	937	929	936	920	849	735	669	625	576	—
	7	888	904	887	886	885	893	868	840	757	707	642	653	—
	8	887	894	902	919	919	919	902	863	783	712	659	665	—
	9	906	899	906	906	931	939	931	861	778	617	576	566	—
	10	852	858	874	889	914	914	914	765	702	680	645	649	—
	11	956	956	955	956	956	946	955	947	883	837	754	672	—
	12	947	947	938	946	946	946	946	866	795	736	667	656	—
	13	956	956	947	956	946	946	929	848	791	688	583	559	—
	14	905	913	930	938	947	938	938	867	774	716	620	659	—
	15	939	939	947	947	947	947	930	889	876	839	763	869	—
	16	964	964	964	964	964	964	955	880	843	741	699	651	--
	17	888	863	897	904	887	813	861	872	779	733	722	696	—
	18	923	939	921	920	920	928	903	833	736	699	654	673	—
	19	905	914	905	904	903	911	862	795	742	656	595	556	—
	20	865	906	816	831	861	861	805	728	656	634	556	511	—
	21	930	939	939	939	947	939	930	859	787	715	666	645	—
	22	875	918	900	855	879	905	759	692	668	508	477	426	—
	23	815	761	733	724	748	724	685	618	580	590	539	508	—
	24	818	849	873	872	898	906	865	811	743	569	551	381	—
	25	842	857	881	881	905	922	865	770	685	620	577	577	—
	26	845	867	875	864	804	796	744	686	642	634	614	586	—
	27	921	929	929	920	929	936	912	843	739	639	632	624	—
	28	915	930	939	930	930	939	915	900	878	955	956	947	—
	29	887	920	929	936	946	945	920	813	733	670	615	579	—
	30	864	897	905	922	938	947	913	851	787	682	668	676	—
														—
Hourly Means.		894	905	904	905	912	911	886	824	752	684	637	620	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	639	627	625	665	703	700	760	787	814	844	859	882	774
	2	573	610	600	661	803	814	854	880	897	904	879	815	786
	3	596	612	642	647	684	735	783	796	814	844	842	841	769
	4	588	660	842	886	920	938	930	922	930	947	956	965	832
	5	676	701	774	662	665	736	810	854	867	883	906	930	824
	6	648	647	634	644	658	687	724	785	816	837	874	889	785
	7	659	578	562	568	581	635	709	748	803	833	855	870	759
	8	657	678	682	689	727	744	806	835	838	852	866	874	803
	9	575	646	613	676	725	798	834	840	847	868	860	867	790
	10	656	686	742	749	791	789	841	899	940	948	956	956	817
	11	667	643	631	636	691	892	916	906	915	940	931	931	853
	12	655	647	644	687	696	720	802	829	947	947	956	939	825
	13	621	644	634	645	676	700	773	838	861	867	890	898	798
	14	694	665	664	700	711	781	905	914	930	930	930	939	830
	15	860	837	831	846	917	914	930	947	956	956	955	955	906
	16	697	735	740	747	789	825	862	898	930	939	888	897	854
	17	684	678	648	716	756	788	824	853	892	916	923	915	813
	18	647	641	699	691	690	736	782	816	837	883	899	899	803
	19	512	514	610	655	715	702	735	782	840	847	893	875	764
	20	627	638	684	688	761	793	821	819	888	921	939	930	772
	21	661	672	715	816	905	906	873	889	888	913	895	876	844
	22	410	442	464	479	557	640	744	762	830	819	835	825	695
	23	430	432	465	517	566	663	724	706	705	752	781	794	648
	24	564	615	617	639	662	697	758	801	830	845	821	819	742
	25	554	577	617	600	576	674	707	707	761	780	794	822	731
	26	542	583	614	655	677	737	784	791	836	923	922	938	748
	27	619	580	652	700	738	778	835	871	869	883	916	915	805
	28	884	795	797	775	769	774	837	867	873	889	897	879	882
	29	589	641	661	657	736	691	700	754	730	774	817	825	770
	30	659	785	631	700	739	810	893	823	860	867	899	923	818
Hourly Means.		628	640	658	680	719	760	809	831	858	878	888	889	795

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	C	C	C	C	C	C	NE	S	SSW	ENE	E	ENE
	2	C	NE	NE	NE	C	C	NE	S	SSW	SSW	WSW	NE
	3	C	C	C	C	C	C	S	S	S	ESE	E	NE
	4	C	C	SW	C	C	SW	SSW	SSW	SSW	SW	W	SW
	5	C	C	C	C	C	C	C	E	E	SSE	ENE	NNE
	6	C	C	C	C	C	C	NE	S	E	E	E	ENE
	7	NE	NE	NE	NE	NE	NE	ENE	S	SSE	ENE	ENE	ENE
	8	C	C	C	C	C	C	ENE	SE	SE	E	E	NE
	9	C	C	C	S	SE	C	C	SE	SE	E	E	E
	10	E	ESE	ESE	ESE	C	C	C	ESE	E	E	E	NNE
	11	C	SSW	C	C	SSW	SSW	SSW	SSW	WSW	SW	SW	NW
	12	C	C	C	C	C	C	SSE	SSE	ENE	ENE	E	NNE
	13	C	C	SW	C	SW	C	C	SSW	SSW	S	NE	NE
	14	C	NE	C	C	C	C	NE	NE	ENE	ENE	S	NNE
	15	C	C	C	C	C	SSW	SSW	C	SSW	SSW	SW	SW
	16	C	C	C	C	C	C	C	SSE	SE	S	SSE	NE
	17	S	S	S	S	C	S	C	S	SW	SW	WNW	NW
	18	C	N	N	C	C	N	N	WSW	SSW	SW	N	N
	19	NNW	NNW	NNW	NNW	C	C	SSW	S	SSW	SSW	S	S
	20	N	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	E	SE	ESE
	21	C	SSE	SSE	C	C	C	SSE	S	SSW	NW	NW	NNE
	22	S	C	S	S	C	C	S	SSW	SW	SSW	S	WSW
	23	NW	SW	SW	SW	SW	SW	SW	SSW	SSW	E	WNW	W
	24	C	C	C	C	C	C	C	C	WNW	E	ENE	NW
	25	C	N	N	C	C	C	N	S	E	E	NE	NNE
	26	SE	SE	S	S	S	S	S	SSW	SSW	NW	WNW	NNW
	27	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	S	NE	N
	28	C	C	C	C	NNE	NNE	NNE	C	NNE	ENE	NE	NE
	29	C	C	C	C	C	W	W	S	SE	E	SW	NW
	30	SSW	C	SSW	C	C	C	SW	SW	SW	S	SW	SW

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	N	N	NNE	NNE	NE	NE	NE	NE	NE	C	C	NE
	2	NNE	NNE	NNE	WNW	S	E	E	S	S	S	S	S
	3	N	NNE	NNE	N	NNW	NW	C	C	NW	NW	W	SW
	4	S	N	WNW	W	NNE	C	C	E	E	C	C	C
	5	N	ENE	NW	NE	NE	NE	C	C	NE	NE	C	C
	6	N	N	N	NE	NNE	NE	C	C	C	C	C	NE
	7	NNE	NE	NE	NNE	ENE	ENE	ENE	C	C	C	C	C
	8	N	N	N	N	NNE	NE	NE	NE	S	S	S	S
	9	ENE	NE	ENE	E	E	E	E	E	E	ENE	E	E
	10	NNE	NNE	N	NE	NNE	NNW	NNW	SW	WSW	C	SW	SSW
	11	WNW	W	W	W	W	SSE	SSE	SSE	C	C	C	C
	12	N	N	N	NNE	N	NNW	SW	SW	SW	SW	SW	SW
	13	NE	NE	N	N	NE	NE	C	C	C	NE	NE	C
	14	N	NE	N	N	NW	SSW	C	SSW	SSW	C	C	C
	15	SE	SE	SW	C	SW	NE	N	N	NNE	E	SSE	C
	16	NE	NNE	NNE	NE	NE	NNE	NNE	SSW	C	C	S	S
	17	N	NNE	NNE	NNE	N	N	C	C	N	C	C	C
	18	NNW	N	N	N	N	N	NNW	C	C	C	C	C
	19	S	E	NNE	NNE	N	N	N	N	C	C	N	N
	20	N	N	N	NNW	N	N	NW	S	SE	SSE	SSE	SSE
	21	NNE	N	NNE	WSW	SW	SW	SE	SSE	SSE	SSE	SSE	S
	22	N	N	N	N	N	NNW	C	NNW	C	NNW	NNW	NNW
	23	N	N	N	N	NW	NNW	C	NNW	C	C	C	C
	24	N	NNE	NNE	NE	N	N	C	C	C	C	C	C
	25	NE	NE	N	N	N	N	N	N	N	NE	SE	SE
	26	NNE	NNE	N	N	N	N	N	N	S	SW	SSW	SSW
	27	N	N	NNE	N	NNE	NNW	C	NNW	NW	C	C	C
	28	N	WNW	W	W	W	C	W	W	C	C	W	W
	29	N	N	NNW	NW	WNW	W	W	W	WSW	WSW	SW	SW
	30	SSW	N	NNW	N	N	SSW	C	WSW	C	WSW	S	SE

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.0	5.6	7.2	10.5	—
	2	0.0	1.6	3.2	0.8	0.0	0.0	1.6	3.2	6.4	5.6	4.8	4.8	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	6.4	6.4	7.2	—
	4	0.0	0.0	2.4	0.0	0.0	1.6	5.6	7.2	4.8	7.2	4.0	4.8	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	10.5	9.7	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.6	6.4	8.9	8.0	8.0	—
	7	0.8	1.6	1.6	0.8	1.6	1.6	3.2	1.6	2.4	4.0	8.0	11.3	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	3.2	6.4	8.0	8.0	—
	9	0.0	0.0	0.0	0.8	0.8	0.0	0.0	0.8	6.4	12.9	16.1	17.7	—
	10	3.2	3.2	4.8	0.8	0.0	0.0	0.0	2.4	8.0	8.0	8.0	8.9	—
	11	0.0	0.8	0.0	0.0	1.6	1.6	0.8	1.6	4.8	4.8	4.8	5.6	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.8	4.8	4.0	4.8	—
	13	0.0	0.0	0.8	0.0	0.8	0.0	0.0	1.6	1.6	3.2	4.8	4.0	—
	14	0.0	0.8	0.0	0.0	0.0	0.0	0.8	1.6	3.2	4.0	6.4	5.6	—
	15	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	1.6	3.2	2.4	3.2	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	3.2	4.8	—
	17	3.2	3.2	1.6	0.8	0.0	3.2	0.0	0.8	6.4	3.2	4.0	3.2	—
	18	0.0	1.6	1.6	0.0	0.0	0.8	1.6	5.6	6.4	3.2	4.0	6.4	—
	19	1.6	0.8	0.8	1.6	0.0	0.0	6.4	5.6	4.8	3.2	4.8	4.8	—
	20	3.2	6.4	6.4	3.2	0.8	0.8	3.2	4.0	6.4	6.4	4.8	4.8	—
	21	0.0	0.8	0.8	0.0	0.0	0.0	0.8	4.0	3.2	1.6	3.2	6.4	—
	22	0.8	0.0	3.2	0.8	0.0	0.0	6.4	6.4	3.2	5.6	4.8	4.8	—
	23	1.6	4.0	3.2	4.8	5.6	3.2	6.4	6.4	4.8	3.2	2.4	4.8	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	1.6	—
	25	0.0	0.8	0.8	0.0	0.0	0.0	3.2	4.8	4.8	6.4	8.0	12.1	—
	26	0.8	2.4	4.0	4.0	2.4	1.6	1.6	4.8	6.4	4.0	4.0	6.4	—
	27	2.4	3.2	0.8	0.8	0.8	0.8	1.6	0.8	3.2	4.0	6.4	8.0	—
	28	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.0	4.8	3.2	0.8	1.6	—
	29	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.8	5.6	3.2	4.0	3.2	—
	30	0.8	0.0	0.8	0.0	0.0	0.0	0.8	1.6	4.0	4.8	4.0	3.2	—
Hourly Means.		0.61	1.04	1.23	0.64	0.51	0.59	1.81	2.85	4.43	4.89	5.50	6.34	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	13.7	12.1	14.5	12.9	11.3	8.0	1.6	0.8	0.8	0.0	0.0	0.8	4.46
	2	9.7	10.5	11.3	7.2	9.7	4.8	3.2	1.6	0.8	0.8	2.4	0.8	3.95
	3	9.7	11.3	8.9	5.6	6.4	3.2	0.0	0.0	0.8	0.8	1.6	0.8	3.25
	4	4.0	6.4	1.6	3.2	8.0	0.0	0.0	3.2	0.8	0.0	0.0	0.0	2.70
	5	10.5	6.4	3.2	12.9	12.1	3.2	0.0	0.0	1.6	0.8	0.0	0.0	3.19
	6	11.3	13.7	13.7	13.7	11.3	4.8	0.0	0.0	0.0	0.0	0.0	1.6	4.56
	7	12.1	11.3	12.1	12.9	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.12
	8	8.9	11.3	11.3	10.5	11.3	8.0	1.6	1.6	4.0	1.6	0.8	0.8	4.15
	9	17.7	18.5	22.5	15.3	12.1	2.4	0.8	3.2	3.2	8.0	5.6	1.6	6.93
	10	13.7	12.9	8.0	6.4	4.0	0.8	4.8	4.8	1.6	0.0	4.8	1.6	4.61
	11	7.2	7.2	8.0	6.4	5.6	2.4	0.8	0.8	0.0	0.0	0.0	0.0	2.70
	12	6.4	8.0	11.3	12.9	8.9	2.4	3.2	4.8	8.0	2.4	3.2	1.6	3.95
	13	8.0	10.5	11.3	10.5	8.9	4.0	0.0	0.0	0.0	0.8	1.6	0.0	3.02
	14	8.0	11.3	12.1	8.9	5.6	4.8	0.0	1.6	0.8	0.0	0.0	0.0	3.15
	15	4.8	1.6	1.6	0.0	1.6	1.6	0.8	0.8	1.6	1.6	0.8	0.0	1.20
	16	5.6	7.2	7.2	6.4	6.4	1.6	1.6	5.6	0.0	0.0	1.6	0.8	2.50
	17	5.6	8.0	9.7	9.7	4.8	0.8	0.0	0.0	0.8	0.0	0.0	0.0	2.88
	18	7.2	8.9	8.0	8.0	4.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.90
	19	4.8	5.6	10.5	8.0	5.6	1.6	1.6	0.8	0.0	0.0	1.6	2.4	3.20
	20	8.0	12.1	12.9	10.5	8.9	6.4	3.2	8.9	4.8	1.6	1.6	0.8	5.42
	21	8.9	8.9	7.2	6.4	0.8	2.4	3.2	4.8	3.2	0.8	2.4	3.2	3.04
	22	6.4	9.7	8.9	8.9	4.8	0.8	0.0	0.8	0.0	1.6	0.8	1.6	3.35
	23	8.0	9.7	9.7	9.7	8.0	1.6	0.0	1.6	0.0	0.0	0.0	0.0	4.11
	24	9.7	13.7	13.7	12.1	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.85
	25	12.1	11.3	11.3	8.0	8.0	3.2	2.4	3.2	1.6	3.2	4.0	2.4	4.65
	26	12.9	14.5	12.9	11.3	8.0	1.6	0.8	3.2	4.0	1.6	1.6	1.6	4.85
	27	10.5	14.5	15.3	14.5	6.4	1.6	0.0	1.6	1.6	0.0	0.0	0.0	4.12
	28	3.2	3.2	3.2	3.2	1.6	0.0	0.8	1.6	0.0	0.0	0.8	1.6	1.33
	29	5.6	9.7	7.2	6.4	6.4	4.8	6.4	4.8	3.2	1.6	1.6	1.6	3.44
	30	4.0	7.2	5.6	4.8	4.0	3.2	0.0	0.8	0.0	1.6	3.2	1.6	2.33
Hourly Means.		8.61	9.91	9.82	8.91	7.04	2.85	1.28	2.03	1.44	0.96	1.33	0.91	3.56

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	7	7	10	7	6	6	6	2	1	2	2	6	—
	2	5	7	10	7	7	7	6	5	2	1	1	6	—
	3	10	10	10	10	9	7	10	3	3	5	4	4	—
	4	4	3	4	4	2	3	8	5	7	6	9	5	—
	5	4	1	1	1	2	3	2	2	1	1	3	8	—
	6	8	5	5	4	6	4	3	1	1	1	3	4	—
	7	2	4	2	3	3	2	7	6	2	1	1	7	—
	8	2	2	1	1	3	7	10	10	9	10	10	10	—
	9	7	8	8	10	8	4	7	3	2	3	3	8	—
	10	10	10	4	3	2	6	3	2	6	8	8	8	—
	11	10	7	6	10	10	9	10	10	9	8	8	6	—
	12	4	2	2	3	1	1	5	2	1	1	6	6	—
	13	4	2	1	1	2	3	2	1	1	1	2	3	—
	14	1	1	0	0	2	2	2	3	2	4	5	4	—
	15	7	9	8	4	7	8	10	10	10	9	10	10	—
	16	10	9	10	9	7	7	2	3	4	6	8	8	—
	17	10	10	7	6	4	5	7	9	5	7	6	7	—
	18	5	3	2	2	3	5	4	4	5	7	8	10	—
	19	3	2	2	2	1	8	10	9	8	6	5	5	—
	20	2	3	2	1	2	1	2	2	1	0	1	2	—
	21	10	10	8	7	9	6	8	2	1	3	7	6	—
	22	1	1	0	0	0	1	1	0	0	0	0	0	—
	23	2	0	0	0	1	4	1	0	0	1	3	3	—
	24	4	2	1	1	2	3	4	3	5	2	2	3	—
	25	10	10	9	7	7	3	2	0	0	0	1	1	—
	26	10	10	10	10	10	10	2	2	7	4	4	7	—
	27	5	2	4	2	2	2	1	1	0	1	9	4	—
	28	3	4	5	9	7	8	9	10	10	10	10	10	—
	29	3	2	1	4	4	3	8	4	4	3	4	5	—
	30	10	9	9	9	9	8	7	1	1	2	4	9	—
														—
	Hourly Means.	5.8	5.2	4.7	4.6	4.6	4.9	5.3	3.8	3.6	3.8	4.9	5.8	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	2	1	1	1	4	4	5	4	3	8	5	3	4.3
	2	8	9	7	10	10	10	10	8	6	4	8	7	6.7
	3	2	9	7	5	4	5	5	2	2	1	6	7	5.8
	4	10	10	10	10	10	10	10	10	10	10	10	7	7.4
	5	6	9	8	7	8	9	6	9	4	4	2	2	4.3
	6	2	2	3	1	2	7	4	10	8	4	3	2	3.9
	7	2	2	3	3	4	4	5	2	2	2	3	1	3.0
	8	7	5	6	4	9	9	9	9	8	7	2	4	6.4
	9	10	10	7	7	8	9	10	10	10	10	10	10	7.6
	10	6	9	10	7	7	6	10	10	10	10	10	10	7.3
	11	5	4	4	9	10	10	9	8	6	3	4	5	7.5
	12	2	1	1	2	2	8	7	10	10	10	10	9	4.4
	13	5	2	2	1	1	6	3	2	3	3	1	3	2.3
	14	4	2	2	2	5	10	10	7	6	5	5	6	3.8
	15	10	10	10	10	10	10	10	10	10	10	5	7	8.9
	16	9	10	10	10	10	10	9	10	8	10	10	10	8.3
	17	9	7	7	8	7	8	6	7	4	6	7	7	6.9
	18	6	6	7	3	5	6	2	3	4	7	4	2	4.7
	19	7	7	4	4	5	4	7	10	7	6	6	7	5.6
	20	3	3	4	5	7	8	9	10	10	10	10	10	4.5
	21	2	4	8	10	10	8	4	2	2	4	3	1	5.6
	22	1	1	1	2	3	6	4	1	1	0	6	4	1.4
	23	0	0	0	0	0	4	6	9	6	7	2	9	2.4
	24	1	1	3	2	2	3	2	6	7	9	10	10	3.7
	25	2	2	1	3	4	4	10	10	10	10	10	10	5.3
	26	2	1	2	3	3	9	10	10	9	10	9	10	6.8
	27	1	2	1	2	3	9	5	8	10	9	5	3	3.8
	28	7	6	10	4	4	6	3	4	4	6	7	5	6.7
	29	6	3	3	4	10	10	10	10	10	10	7	10	5.8
	30	8	9	5	9	7	9	10	7	10	10	10	10	7.6
	Hourly Means.	4.8	4.9	4.9	4.9	5.8	7.4	7.0	7.3	6.7	6.8	6.3	6.4	5.43

DURATION OF SUNSHINE.

	Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means
SEPTEMBER.	1	10	10	10	10	10	10	10	7	7	9	10	10	10	9	10	10	9.5
	2	10	10	10	9	10	9	9	10	7	5	6	6	4	6	7	3	7.6
	3	10	10	10	10	10	10	10	10	9	10	7	8	1	3	4	7	8.1
	4	7	8	6	10	5	5	3	8	8	2	4	0	0	0	0	0	4.1
	5	10	10	9	10	10	10	9	6	7	9	6	6	2	7	8	8	7.9
	6	10	10	10	10	10	10	9	8	7	4	8	10	10	10	7	5	8.6
	7	4	9	10	10	10	10	8	9	9	9	9	8	10	10	10	7	8.9
	8	7	7	8	2	4	6	4	7	6	2	8	10	10	10	10	7	6.8
	9	8	6	10	10	10	8	9	2	4	5	2	1	4	7	7	1	5.9
	10	9	8	9	7	8	7	7	8	6	9	9	1	1	0	0	4	5.8
	11	0	5	5	0	4	6	3	8	6	7	7	5	8	8	8	1	5.1
	12	10	10	10	10	10	10	8	6	6	6	9	10	10	10	10	10	9.1
	13	10	10	10	10	10	10	10	10	6	6	10	10	10	10	10	10	9.5
	14	7	10	7	6	10	10	10	10	7	8	8	4	7	10	10	10	8.4
	15	3	0	0	0	4	8	2	0	0	1	0	0	2	0	0	0	1.3
	16	8	6	7	4	7	8	8	4	6	6	3	0	0	0	0	0	4.2
	17	1	9	9	8	6	2	5	3	2	2	1	1	9	10	10	9	5.4
	18	8	9	9	8	8	8	8	3	4	9	7	9	6	1	5	3	6.6
	19	3	1	8	8	10	9	10	10	10	9	9	6	4	9	9	7	7.6
	20	9	10	10	10	10	10	10	10	7	6	10	10	10	9	9	9	9.3
	21	8	8	10	7	5	5	7	8	3	6	8	8	2	3	3	0	5.7
	22	10	10	10	10	10	10	10	10	10	10	10	9	10	8	10	10	9.8
	23	10	10	10	10	10	10	5	6	10	10	10	10	10	10	10	10	9.4
	24	7	7	9	10	10	10	10	10	10	9	10	10	9	9	9	9	9.3
	25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
	26	8	6	4	8	4	8	9	4	1	9	9	10	10	9	7	7	7.1
	27	10	10	10	10	10	9	8	4	10	10	10	10	10	10	10	3	9.0
	28	0	2	0	0	0	0	0	0	1	3	6	3	6	1	4	7	2.1
	29	10	10	10	10	9	8	6	7	4	4	6	6	8	8	7	7	7.5
	30	10	10	9	10	10	9	9	1	4	1	0	0	6	9	6	0	5.9
Means.		7.6	8.0	8.3	7.9	8.1	8.2	7.5	6.6	6.2	6.5	7.1	6.4	6.6	6.9	7.0	5.8	7.47

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

SEPTEMBER.

Mean Batavia Time.	7h30 A. M.	8	8h30	9	9h30	10	10h30	11	11h30	12	0h30 P. M.	1	1h30	2	2h30	3	3h30	4	4h30
1	31.6	40.4	43.1	46.9	47.7	48.0	49.5	49.4	49.7	48.9	50.4	50.4	48.4	50.0	48.1	46.7	46.5	43.4	41.3
2	29.4	40.5	44.1	47.4	47.6	48.9	49.5	51.9	51.6	50.3	53.2	44.2	51.2	46.4	45.2	46.4	46.9	30.5	27.8
3	28.6	36.6	37.9	42.9	43.9	47.3	48.1	49.6	50.2	50.4	52.8	51.4	50.3	43.5	48.4	44.4	47.4	44.4	41.1
4	35.0	38.3	40.0	42.3	47.2	49.9	43.4	43.7	46.4	54.2	50.2	43.3	44.0	32.6	—	32.4	29.2	26.9	25.4
5	32.4	42.4	45.0	48.1	47.9	50.4	48.8	48.3	51.9	43.4	47.1	52.0	43.9	43.4	44.4	43.6	43.8	43.1	40.7
6	36.0	41.2	43.8	46.9	47.7	49.4	50.1	51.4	52.0	49.5	48.9	50.4	49.9	50.2	49.7	47.8	46.0	43.4	41.4
7	30.5	35.4	40.4	45.4	46.1	50.3	50.4	46.9	47.9	49.4	51.2	50.9	47.9	49.8	49.9	48.4	45.2	43.1	36.9
8	27.0	33.2	36.0	41.9	42.9	40.4	44.7	45.2	44.6	46.5	46.4	45.4	52.0	52.4	50.4	48.5	48.4	45.4	41.1
9	35.0	43.1	39.6	48.6	49.9	51.1	51.1	53.0	52.6	49.1	50.6	50.9	46.2	43.6	46.9	43.9	41.4	33.4	33.1
10	39.3	42.9	49.4	49.3	50.4	51.7	51.6	48.7	51.7	47.3	48.4	53.3	51.4	38.9	38.0	30.6	29.3	37.2	33.5
11	—	25.4	32.2	47.0	43.1	44.1	50.4	46.1	50.8	55.3	47.1	46.6	49.4	50.5	49.9	47.3	49.5	43.1	37.0
12	37.4	42.0	44.2	47.9	48.9	49.9	50.4	51.5	48.1	45.4	45.4	48.8	52.4	50.4	50.3	48.4	47.2	44.1	38.5
13	36.2	38.2	43.6	47.9	49.3	49.7	51.0	51.4	51.8	51.7	45.1	49.9	47.0	47.9	47.5	47.8	46.3	42.3	40.4
14	36.2	42.6	38.4	45.2	49.2	51.2	53.0	53.4	48.4	50.4	52.1	36.8	50.4	50.2	49.2	47.9	46.5	44.6	37.7
15	26.1	33.3	33.3	34.3	35.3	39.2	46.2	43.5	36.0	—	30.1	31.0	32.2	37.1	39.0	34.2	33.0	27.3	25.4
16	35.9	37.9	34.2	38.9	40.1	43.1	50.5	46.9	46.0	49.0	45.4	46.1	40.4	35.3	34.7	34.2	33.5	33.0	32.0
17	27.6	30.9	39.4	48.4	48.2	45.4	39.2	48.4	42.1	42.9	38.7	40.5	40.0	49.4	49.8	49.4	49.6	39.9	33.4
18	32.9	39.7	43.4	45.3	45.0	45.5	48.1	52.3	48.6	42.0	46.0	48.4	47.1	50.3	47.4	40.4	40.4	40.9	37.9
19	28.3	33.0	36.6	44.3	48.9	49.2	51.0	52.4	54.6	54.2	56.1	54.0	53.9	52.4	47.2	47.0	48.4	41.4	37.9
20	38.4	41.6	44.7	47.6	49.0	50.6	51.2	52.1	52.9	53.2	42.0	51.5	52.0	51.5	50.2	46.6	47.0	44.1	38.6
21	33.8	40.9	42.9	46.4	48.4	45.9	40.9	52.4	48.1	45.2	42.4	48.8	51.1	50.1	—	38.4	36.0	—	—
22	37.1	42.4	44.9	48.4	49.4	50.4	49.9	50.5	51.4	52.0	52.2	51.9	51.7	51.3	50.4	48.9	46.9	43.8	36.6
23	37.0	42.4	44.9	47.3	48.9	50.4	50.7	51.4	40.0	50.7	53.6	52.4	52.1	51.9	51.3	49.3	47.4	44.4	36.9
24	35.8	36.6	43.9	45.3	48.2	48.9	50.9	51.4	51.7	53.1	53.7	51.9	51.9	50.9	47.5	47.8	46.4	43.6	35.4
25	39.2	43.4	44.8	48.4	49.9	50.3	51.4	52.2	52.0	51.9	52.1	51.8	51.9	51.4	50.6	48.4	48.1	43.3	35.4
26	36.9	42.4	44.0	41.4	44.7	50.3	38.0	52.6	44.8	39.9	44.9	52.9	52.1	51.8	49.9	43.9	44.3	41.7	35.3
27	37.1	43.4	45.7	47.9	49.1	50.4	51.5	51.9	50.4	52.3	52.9	51.0	51.8	50.8	49.8	47.9	45.9	39.3	33.9
28	31.9	28.4	31.4	—	—	—	—	—	24.9	—	29.4	—	38.3	44.2	41.0	37.4	48.4	36.9	37.4
29	39.6	44.6	44.9	48.7	49.9	50.6	50.4	52.2	45.7	46.7	44.9	51.2	41.8	48.6	49.6	46.4	44.8	38.9	32.4
30	36.8	42.3	43.0	46.6	47.6	50.2	50.9	51.4	51.9	47.3	46.8	41.6	34.9	30.2	51.1	49.6	40.6	34.6	32.6
Means.	34.10	38.85	41.32	45.79	47.05	48.37	48.72	50.07	47.96	49.01	47.34	48.25	47.59	46.90	47.41	44.46	43.81	39.93	35.76

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	—	—	—	—	—	—	—	52	28	6	30	25	—
	2	—	—	—	—	63	55	80	50	14	30	33	17	—
	3	52	28	30	25	30	52	69	44	52	11	30	28	—
	4	39	36	44	30	17	14	74	39	61	58	58	—	—
	5	—	—	—	—	—	—	—	154	91	63	58	80	—
	6	151	165	160	143	132	143	149	94	55	80	36	44	—
	7	91	74	77	61	47	66	69	52	61	55	—	—	—
	8	129	143	121	83	80	72	110	132	66	41	44	39	—
	9	74	80	94	193	P N	28	74	105	77	41	36	17	—
	10	77	74	149	165	154	187	228	165	66	39	36	28	—
	11	105	118	121	127	94	83	— 44	248	69	50	41	36	—
	12	173	171	151	171	165	204	193	72	50	44	55	50	—
	13	96	107	99	94	102	118	132	110	52	47	50	44	—
	14	74	58	72	80	69	83	127	80	50	25	33	30	—
	15	127	85	74	88	69	72	47	77	94	41	17	P N	—
	16	77	63	66	66	61	74	118	127	50	22	17	33	—
	17	69	74	74	66	99	94	204	132	74	50	66	47	—
	18	132	154	116	66	83	102	96	80	36	47	55	61	—
	19	—	69	66	69	52	94	83	69	58	17	22	33	—
	20	30	41	8	25	47	47	113	52	50	39	30	25	—
	21	N	0	41	39	47	50	—	50	8	— 17	3	14	—
	22	66	69	52	58	91	88	55	61	77	66	61	50	—
	23	107	102	121	107	118	107	110	74	94	44	33	28	—
	24	94	91	91	99	74	61	69	36	80	61	36	69	—
	25	105	99	83	74	72	110	107	41	52	39	36	44	—
	26	66	50	52	—	—	41	33	28	22	19	8	— 3	—
	27	—	—	—	—	—	—	—	33	28	28	22	11	—
	28	—	—	—	—	—	—	—	110	83	44	28	22	—
	29	118	129	118	149	116	151	212	22	220	P N	P N	P N	—
	30	88	96	124	72	41	—	66	146	105	52	22	19	—
Hourly Means.		93.0	87.0	88.2	89.6	80.1	87.8	103.0	84.5	64.1	39.4	35.6	34.3	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	— 14	14	11	— 25	N	61	129	107	107	30	28	—	39.3
	2	— 8	11	22	P N	P N	P N	P N	25	28	19	55	36	33.1
	3	28	44	28	33	41	63	66	118	66	83	91	36	47.8
	4	—	—	—	—	—	—	—	—	—	—	—	—	42.7
	5	72	52	66	72	88	140	173	173	178	135	129	151	110.3
	6	47	39	36	36	52	50	77	124	88	102	99	99	91.7
	7	—	—	—	—	—	—	—	—	—	—	—	—	65.3
	8	28	28	36	22	41	— 17	91	80	88	83	77	96	71.4
	9	25	14	14	96	88	69	116	116	124	99	74	72	75.0
	10	28	P N	P N	206	P N	P N	P N	P N	P N	P N	39	— 8	102.1
	11	39	36	55	P N	P N	P N	P N	124	132	165	151	171	96.0
	12	52	61	74	—	—	—	—	—	—	14	110	80	105.0
	13	44	55	58	44	63	63	94	173	135	80	52	55	82.0
	14	—	39	44	52	—	—	—	—	—	110	110	127	70.2
	15	P N	P N	P N	P N	P N	P N	P N	P N	P N	P N	P N	107	74.8
	16	50	50	80	74	—	129	165	—	—	138	66	83	76.6
	17	44	41	50	—	—	—	—	—	—	—	—	154	83.6
	18	50	41	55	72	63	99	107	—	—	138	—	—	82.7
	19	30	28	30	33	47	55	66	83	116	129	69	25	58.4
	20	22	28	17	14	47	72	129	P N	P N	— 39	44	25	39.4
	21	33	28	— 41	N	N	105	66	132	94	83	80	58	43.7
	22	36	33	52	33	44	36	47	110	143	160	110	94	70.5
	23	19	25	30	28	— 11	58	77	47	74	83	94	105	69.8
	24	14	55	44	41	25	47	66	124	88	140	116	77	70.8
	25	47	52	61	47	58	66	63	36	47	66	58	58	63.4
	26	— 3	25	17	17	30	44	66	124	P N	P N	P N	—	35.3
	27	8	19	25	39	52	88	132	99	— 41	—	—	—	38.8
	28	28	52	33	36	N	P	P	118	248	N	74	154	79.2
	29	171	47	55	58	72	94	149	138	127	168	121	129	122.1
	30	19	N	50	47	72	N	85	239	212	193	162	94	95.4
Hourly Means		35.0	36.7	38.5	48.9	51.3	69.6	98.2	114.5	108.1	99.0	87.3	86.6	73.35

BAROMETRIC PRESSURE.

BAROMETER AT 0° C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	9.25	9.24	9.25	9.44	9.44	9.71	10.41	10.54	10.63	10.61	10.08	9.36	—
	2	9.98	9.70	9.71	9.51	9.57	10.27	10.47	11.05	10.99	10.80	10.40	9.81	—
	3	9.65	9.43	9.35	9.41	9.82	10.14	10.76	11.26	11.76	11.44	10.73	10.07	—
	4	9.69	9.49	9.45	9.50	9.14	9.12	9.46	9.86	9.91	9.83	9.32	8.55	—
	5	7.93	7.66	7.68	7.90	8.29	8.55	9.07	9.41	9.79	9.53	8.79	8.35	—
	6	8.24	8.00	7.71	8.09	8.50	8.81	9.16	9.56	9.98	9.58	9.01	8.18	—
	7	8.64	8.20	7.80	8.14	8.45	8.90	9.52	9.62	9.53	9.34	8.86	8.17	—
	8	8.04	7.56	7.24	7.51	7.79	8.21	8.51	8.85	9.06	8.71	8.32	7.50	—
	9	7.87	7.54	7.26	7.49	7.55	8.15	8.90	9.05	9.09	9.07	8.83	8.05	—
	10	8.94	8.69	8.25	8.40	8.66	9.06	9.44	9.72	9.80	9.58	8.87	8.39	—
	11	8.95	8.79	8.80	8.81	9.14	9.15	9.75	10.49	10.63	10.44	10.18	9.29	—
	12	9.50	9.15	8.96	8.91	8.98	9.24	9.80	10.30	10.29	10.40	9.68	9.27	—
	13	9.13	8.99	8.84	8.96	9.26	9.67	10.20	10.80	10.76	10.13	9.00	8.22	—
	14	7.89	7.55	7.37	7.45	7.59	7.91	8.12	8.39	8.51	8.39	7.96	7.21	—
	15	8.15	7.86	7.51	7.71	8.06	8.55	9.05	9.85	10.20	10.03	9.60	8.77	—
	16	9.66	9.70	9.85	9.56	9.75	10.51	10.89	11.52	11.61	11.34	11.13	10.70	—
	17	10.29	9.76	9.49	9.33	9.75	10.08	10.57	10.95	11.16	11.05	10.55	9.87	—
	18	9.36	9.04	8.71	8.85	8.97	9.15	9.67	9.95	10.06	9.97	9.41	8.94	—
	19	8.94	8.46	8.34	8.41	8.55	8.66	9.42	9.94	9.85	9.83	9.47	8.86	—
	20	9.65	9.53	9.55	9.46	9.79	9.95	10.01	10.47	10.51	10.37	9.81	9.22	—
	21	9.66	9.36	9.14	9.22	9.37	9.67	10.29	10.65	10.56	10.36	10.08	9.36	—
	22	9.25	8.93	8.85	8.76	9.04	9.41	9.79	10.29	10.42	9.81	9.14	8.63	—
	23	8.93	8.68	8.50	8.61	8.94	9.36	9.82	10.20	10.16	10.06	9.69	9.35	—
	24	9.07	8.71	8.51	8.56	8.87	9.41	10.01	10.62	10.63	10.48	10.20	9.75	—
	25	9.65	9.40	9.20	9.10	9.51	10.11	10.63	11.01	10.99	10.70	10.44	9.85	—
	26	9.48	9.10	8.87	8.89	9.47	9.77	10.70	11.05	10.99	11.00	10.65	10.08	—
	27	9.77	9.39	9.10	9.02	9.33	10.11	10.45	10.54	10.75	10.57	10.30	9.57	—
	28	10.26	9.72	9.12	9.59	9.79	9.99	11.04	11.36	11.29	10.95	10.70	10.37	—
	29	9.60	9.42	9.10	9.06	9.31	9.72	10.58	10.89	10.92	11.06	10.63	10.01	—
	30	9.41	9.29	9.05	9.20	9.46	9.77	10.22	10.81	10.63	10.49	10.12	9.33	—
	31	8.70	8.71	8.57	8.60	8.97	9.12	9.77	10.31	10.21	10.05	9.52	8.89	—
Hourly Means.		9.15	8.87	8.68	8.76	9.00	9.36	9.89	10.30	10.38	10.19	9.72	9.10	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	8.48	7.82	8.10	8.25	8.61	9.05	9.63	10.06	10.60	10.92	10.69	10.26	9.60
	2	9.11	8.16	8.00	8.33	8.81	9.36	9.80	10.50	10.93	11.12	10.49	10.03	9.87
	3	9.39	8.91	8.93	8.34	8.83	9.20	9.89	10.01	10.23	10.39	10.28	9.98	9.93
	4	7.77	7.17	6.85	7.04	7.37	7.59	8.25	8.57	8.82	9.06	8.70	8.39	8.70
	5	7.86	7.23	6.98	6.98	7.44	7.50	8.02	8.42	8.64	8.83	8.94	8.72	8.27
	6	7.25	6.72	6.36	6.21	6.58	7.26	8.05	8.52	8.99	9.29	9.54	8.96	8.27
	7	7.33	6.68	6.37	6.42	7.04	7.64	8.07	8.71	9.01	8.94	8.57	8.35	8.26
	8	6.68	6.13	5.67	5.53	5.72	6.23	7.13	7.55	8.35	8.80	8.71	8.30	7.59
	9	7.52	7.13	7.24	7.41	7.96	8.04	8.65	8.73	9.13	9.29	9.15	9.11	8.26
	10	7.77	7.32	6.77	6.72	6.89	7.45	8.24	9.07	9.54	9.69	9.73	9.36	8.60
	11	8.64	8.12	7.97	7.53	8.41	8.52	9.16	9.58	10.25	10.72	10.44	10.08	9.33
	12	8.57	7.65	7.45	8.07	8.44	8.31	8.85	9.38	9.79	10.10	10.29	9.63	9.21
	13	7.33	6.45	6.05	6.25	6.53	7.00	8.01	8.47	9.13	9.40	9.10	8.71	8.60
	14	6.52	5.88	5.87	6.08	6.74	7.15	8.18	8.29	8.53	8.56	8.50	8.38	7.63
	15	8.10	7.69	7.47	7.27	7.84	8.34	9.17	9.61	10.20	10.64	10.77	10.24	8.86
	16	10.20	9.38	9.21	9.53	10.27	10.53	10.65	10.74	10.96	11.38	11.39	11.00	10.48
	17	9.05	8.51	8.26	8.01	8.17	8.77	9.32	9.63	10.16	10.61	10.12	9.60	9.71
	18	8.45	7.79	7.83	7.85	8.21	8.70	9.59	9.58	9.81	9.83	9.59	9.34	9.11
	19	7.85	7.37	7.28	7.82	8.06	8.86	9.13	9.61	9.90	10.29	10.45	10.04	8.97
	20	8.72	8.26	7.86	8.16	8.74	9.41	9.95	10.65	10.92	10.96	10.78	10.24	9.71
	21	8.47	7.81	7.68	8.08	8.18	8.72	9.21	9.59	9.78	10.22	10.19	9.81	9.39
	22	8.13	7.63	7.34	7.32	7.62	8.14	8.75	9.21	9.74	10.04	10.00	9.41	8.99
	23	8.55	7.85	7.39	7.11	7.51	8.25	9.05	9.56	10.30	10.33	9.87	9.67	9.07
	24	9.04	8.72	8.12	8.90	9.53	9.98	10.25	10.51	10.87	10.37	10.22	9.78	9.63
	25	9.22	8.42	7.82	7.86	8.35	8.71	9.47	9.91	10.45	10.60	10.56	10.10	9.67
	26	9.32	8.64	8.23	8.38	8.58	8.85	9.65	10.11	10.51	10.66	10.54	10.06	9.73
	27	9.29	8.80	8.13	8.36	8.67	9.80	10.46	10.78	10.89	11.08	11.05	10.44	9.86
	28	9.70	8.93	8.78	9.26	9.26	9.55	9.89	10.19	10.61	10.80	11.01	10.67	10.12
	29	8.95	8.56	7.79	8.00	8.17	8.81	8.96	9.73	10.33	10.10	10.00	9.40	9.55
	30	8.47	8.05	7.51	7.58	7.91	8.49	8.96	9.41	9.90	9.88	9.73	9.35	9.29
	31	7.94	7.31	7.31	7.61	8.17	8.87	9.20	9.36	9.72	9.93	9.76	9.24	8.99
Hourly Means.		8.38	7.78	7.50	7.62	8.02	8.49	9.08	9.49	9.90	10.09	9.97	9.57	9.14

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	75.0	74.2	74.0	74.2	74.2	74.2	75.0	76.9	79.1	81.5	84.0	85.7	—
	2	75.0	75.0	75.0	74.9	74.5	74.5	74.8	76.9	79.0	81.6	84.2	84.0	—
	3	74.9	74.4	74.1	74.1	74.1	73.5	73.8	76.4	78.0	80 0	82.5	84.0	—
	4	75 4	75.2	75.2	75.0	74.2	74.2	75.4	78.4	82.0	84.3	86.0	87.2	—
	5	75.9	75.2	74.8	74.5	74.0	73.8	74.3	76.8	80.0	82.2	84.0	84.7	—
	6	76.0	75.4	75.0	74.6	74 2	74 0	75.6	78.3	81.4	83.2	85.3	85.9	—
	7	75.1	73.9	73.7	73.5	73.5	73.8	73.8	74.8	77.0	79.6	81.9	84.0	—
	8	75.6	74.7	74.0	74.0	73.5	73.4	75.0	77.7	80.3	82.9	85.0	87.0	—
	9	76.6	76.1	75.8	75.5	75.3	75.0	76.7	80 0	82.2	83.0	84.0	86.7	—
	10	74.4	74.1	73.8	73.2	73.0	72.5	74.2	76.8	80.0	83.6	86.0	86.8	—
	11	76.0	75.7	75.5	75.0	74.7	74.1	76.4	79.1	81.5	83.5	82.2	79.0	—
	12	76.0	75.8	75.8	75.0	75.0	75.1	76.0	79.1	82.2	84.2	83.5	82.3	—
	13	74.1	74.4	74.0	73.6	73.4	73.6	74.0	74.3	75.0	77.4	80.9	83.8	—
	14	74.4	74.0	73.4	72.6	71.6	72.1	73.0	75.7	79.4	82.6	85.1	85 2	—
	15	75.0	75.0	75.2	74.9	74.5	74.7	75.5	77.0	78.8	81.1	83.0	84.6	—
	16	75.8	75.7	75.5	74.9	73.6	74.0	74.8	75.7	77.0	78.3	80.0	80.5	—
	17	73.6	73.2	72.4	72.0	72.5	73.8	74.6	77.6	80.1	83.4	84.9	86.5	—
	18	75.4	74.7	74.1	73.4	73.2	72.9	73.9	76.1	79.3	82.0	84.4	86.0	—
	19	74.7	74.3	73.6	73.4	73.0	72.6	73.8	77.0	81.1	83.7	85.1	85.7	—
	20	74.1	74.0	73.6	73.4	73.2	73.0	74.0	75.8	78·1	81.3	84.5	84.5	—
	21	74.3	74.1	73.6	73.6	73.8	73.8	74.7	76.1	80.4	82.3	83.3	85.5	—
	22	74.4	73.6	73.7	73.3	72.6	72.2	73.0	74.8	77.0	79.0	81.5	83.0	—
	23	75.0	74.6	74.4	74.0	73.7	73.5	75.5	78.8	81.0	82.2	82.3	82.0	—
	24	73.3	73.3	73.3	73.3	73.3	73.5	74.2	76.0	77.7	79.6	81.4	82.4	—
	25	72.3	72.0	72.0	72.0	72.0	72.2	74.6	77.6	79.0	80.8	81.6	83.2	—
	26	75.0	75.0	75.0	74.5	74.5	74.2	75.4	78.9	81.6	82.2	82.8	82.8	—
	27	73.5	73.3	72.9	72.5	72.5	72 3	74 0	77.0	79.9	82.7	83.1	84.4	—
	28	73.3	73.3	73.3	73.1	73.2	73.1	73.9	75.2	79.0	81.5	82.9	83.3	—
	29	73.7	73.2	72.8	72.8	72.6	72.4	73.3	75.4	77.6	81.4	83.1	83.2	—
	30	75.6	75.0	74.9	74.3	74.1	74.1	75.4	78.4	80.9	83.0	85.0	86.7	—
	31	74.4	73.8	73.6	73.2	72.7	72.7	74.4	77.0	81.2	83.4	84.1	85.1	—
Hourly Means.		74.77	74.39	74.13	73.82	73.55	73.51	74.61	76.95	79.57	81.85	83.47	84.38	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	85.9	85.9	82.0	80.2	79.9	79.7	79 3	78.2	76.4	75.4	75.2	75.4	78.40
	2	82.5	85.3	84.6	83.5	82.4	80.7	79.2	77.2	76.6	76.0	75.8	75.3	78.69
	3	82.4	83.2	81.0	81.5	81.5	81.0	78.9	77.7	77.1	76.3	75.9	75.9	78.01
	4	88.3	89.5	87.4	85.4	84.0	83.0	81.3	80.2	79.2	78.5	77.3	76.4	80.54
	5	85.3	84.9	85.1	84.5	83.2	82.0	80.6	79.6	78.6	77.7	77.0	76.4	79.38
	6	86.6	85.4	85.4	84.6	83.8	82.7	82.4	81.7	80.8	78.9	78.1	76.1	80.23
	7	84.4	84.7	84.2	84 5	81.8	79.7	79.0	78.0	78.1	77.5	76.3	75.6	78.27
	8	86.3	86.0	85.9	84.5	83.7	82.5	81.1	79.7	79.0	78.7	78.0	77.1	79.82
	9	84.9	82.0	82.7	82.2	81.0	79.2	77.2	76.6	75.5	75.1	74.9	74.1	78.85
	10	86.0	85.6	84.6	84.3	84.0	82.4	80.8	79.4	78.0	78.0	77.0	77.0	79.40
	11	82.2	81.9	82.5	83.4	81.1	78.0	77.7	77.5	77.2	77.2	76.8	75.9	78.50
	12	83.2	82.0	82.7	79.0	78.4	77.6	76.8	76.8	76.6	76.6	74.5	74.1	78.26
	13	84.6	84.8	84.5	84.0	82.5	80.0	77.1	75.8	75.3	75.6	75.6	75.2	77.65
	14	87.0	87.4	82.8	79.4	78.0	78.0	77.5	77.5	75.7	75.0	74.9	74.5	77.78
	15	84.4	84.0	84.2	84.2	82.6	80.5	79.2	78.2	77.5	77.1	76.8	76.2	78.93
	16	81.9	83.8	83.8	81.7	78.3	76.0	75.2	75.0	75.0	74.8	74.2	74.0	77.06
	17	86.9	85.5	85.0	84.8	83.5	82.0	79.7	78.7	77.9	76.5	75.4	75.7	79.01
	18	85.2	84.2	82.7	81.2	80.9.	80.1	79.1	77.7	76.0	75.5	75.1	74.9	78.25
	19	85.9	85.8	84.6	82.8	80.4	79.9	78.0	76.5	76.4	76.0	75.8	74.9	78.54
	20	85.7	85.1	84.4	83.2	82 5	82.1	77.9	75.8	75.0	74.8	74.9	74.6	78.15
	21	86.5	86.0	84.2	82.4	78.4	77.5	77.7	77.0	76.1	75.5	75.1	74.7	78.19
	22	84.4	83.8	84.2	82.6	81.4	80.6	78.8	78.2	77.6	76.0	75.6	75.4	77.78
	23	81.7	81.7	82.1	83.0	82.0	80.9	80.1	78.5	73.9	73.5	73.3	73.2	77.95
	24	82.3	82.0	81 9	78.1	76.0	75.0	73.5	73.1	72.7	72.7	72.3	72.4	75 97
	25	84.1	84.9	85.1	84.2	83.0	81.8	80.1	79.1	77.9	76.7	76.0	75.2	78.23
	26	81.6	81.8	82.0	80.6	79.1	77.9	77.0	76.0	75.0	74.5	74.3	74.2	77.75
	27	80.8	80.7	82.5	82.9	81.8	81.0	75.4	75.2	74.8	74.0	73.8	73.4	77.27
	28	81.0	80.0	79.7	79.7	78.7	77.1	76.1	75.6	75.2	75.0	74.7	74 3	76.76
	29	84.0	81.6	81.2	81.0	81.0	80.0	78.7	77.7	77.1	76.5	76 0	76.0	77.60
	30	85.6	85.8	84.9	82.6	81.3	78.4	77.6	77.6	77.2	76.6	75.5	75.0	78.98
	31	85.3	84.7	84.6	84.2	81.0	79.0	78.1	76.9	76.0	75.2	74.8	74.3	78.32
Hourly Means.		84.42	84.19	83.63	82.59	81.20	79.88	78.42	77.51	76.63	76.05	75.51	75.08	78.34

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	922	938	930	938	947	947	947	875	780	714	688	655	—
	2	939	947	956	956	965	956	947	875	785	713	630	694	—
	3	904	921	938	938	930	938	877	802	821	737	731	701	—
	4	889	872	863	871	887	878	880	815	729	668	630	580	—
	5	906	930	930	913	930	929	921	875	788	682	648	651	—
	6	923	931	930	939	939	947	915	846	763	699	615	624	—
	7	913	929	920	929	938	921	921	922	875	787	743	722	—
	8	880	897	912	895	903	894	880	828	774	697	594	573	—
	9	899	915	931	931	922	939	916	818	709	691	674	615	—
	10	939	947	956	955	937	955	913	867	774	687	649	615	—
	11	931	931	939	939	939	947	924	848	807	706	744	909	—
	12	940	957	957	956	956	956	948	840	730	682	734	779	—
	13	965	973	973	965	973	973	956	956	947	900	798	706	—
	14	888	887	903	910	927	892	894	841	721	641	620	608	—
	15	806	814	815	846	838	830	840	811	778	691	691	651	—
	16	808	840	848	839	877	853	846	856	834	821	781	768	—
	17	947	937	946	946	893	837	862	766	715	601	594	619	—
	18	914	871	853	852	843	851	828	785	742	694	611	580	—
	19	871	878	911	911	920	929	912	835	734	660	602	598	—
	20	896	895	895	894	903	911	887	856	814	741	670	637	—
	21	956	947	956	956	956	956	897	890	739	724	660	617	—
	22	853	886	877	868	902	910	894	797	764	727	699	663	—
	23	922	896	887	895	903	911	856	815	783	758	737	736	—
	24	946	956	956	956	965	956	939	849	813	795	741	731	—
	25	946	955	955	964	964	964	913	813	764	748	707	664	—
	26	922	922	922	939	939	947	923	831	749	737	696	752	—
	27	938	937	946	946	946	946	904	851	752	710	725	708	—
	28	955	965	965	964	965	964	956	947	838	742	703	698	—
	29	938	946	955	955	946	955	946	914	844	749	712	712	—
	30	948	956	956	965	965	973	957	885	783	691	639	591	—
	31	939	947	938	946	964	964	947	875	757	687	682	672	—
Hourly Means.		914	920	923	925	928	927	908	851	781	719	682	672	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	681	655	708	811	848	848	886	813	873	914	930	930	841
	2	752	667	603	719	772	865	878	851	882	899	915	889	836
	3	710	698	770	763	678	827	815	852	883	890	889	881	829
	4	539	526	592	627	666	710	776	796	809	846	875	882	759
	5	660	677	684	722	704	757	797	840	877	900	916	923	815
	6	658	692	686	689	720	780	801	806	842	869	860	889	807
	7	688	637	668	689	763	809	800	836	836	859	865	889	827
	8	619	624	617	675	685	751	769	816	854	869	892	907	784
	9	677	815	794	758	797	847	883	882	914	922	922	947	838
	10	688	692	729	735	713	778	826	854	900	900	932	924	828
	11	772	815	794	754	769	844	867	883	907	932	932	940	866
	12	733	844	780	854	877	892	932	940	940	957	973	965	880
	13	664	665	636	648	688	766	819	824	872	840	848	863	842
	14	543	539	702	756	752	752	780	765	840	839	830	845	778
	15	668	660	680	654	668	701	763	798	812	811	810	801	760
	16	686	673	666	749	836	898	930	939	930	939	956	947	838
	17	567	640	665	644	685	714	742	807	844	841	922	905	777
	18	571	648	670	733	739	788	839	852	864	855	855	863	779
	19	580	604	617	670	766	786	789	833	833	848	856	879	784
	20	610	620	636	677	730	750	917	939	965	956	956	965	822
	21	577	630	675	715	893	924	925	949	824	847	831	838	828
	22	605	673	622	669	698	723	830	829	828	889	905	914	793
	23	757	742	736	732	764	797	834	901	929	937	937	946	838
	24	730	700	728	829	889	922	938	937	937	937	946	937	876
	25	642	613	594	635	643	699	795	823	860	882	905	913	807
	26	770	792	778	774	763	781	818	841	871	896	912	930	842
	27	797	835	751	745	785	835	922	939	939	946	955	964	863
	28	775	818	840	855	893	883	906	923	930	930	939	939	887
	29	700	836	805	797	812	855	901	941	949	924	940	940	874
	30	672	661	664	737	783	868	907	900	891	890	922	922	839
	31	672	696	649	680	760	822	876	906	889	922	921	938	835
Hourly Means.		670	690	695	726	759	806	847	865	881	893	905	910	825

DIRECTION OF THE WIND.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
OCTOBER.	1	SE	SE	C	C	C	C	C	SE	SE	W	SW	NW
	2	C	SSE	C	C	C	C	C	C	S	SW	NE	NE
	3	C	C	C	C	C	S	S	C	S	SW	SW	SW
	4	C	N	N	N	N	ESE	ESE	SE	S	S	SW	NNE
	5	C	C	C	C	C	C	C	N	W	WSW	NNW	NE
	6	C	ESE	C	C	C	C	SSE	SSE	SSE	S	E	N
	7	SE	S	SSE	SSE	C	ESE	ESE	ESE	C	NE	N	NW
	8	C	C	C	C	C	SW	SW	SW	SW	SW	E	SE
	9	C	C	NE	SE	SE	SE	SE	S	ESE	ESE	ESE	E
	10	C	C	S	S	C	S	S	C	SSE	E	ENE	ENE
	11	C	C	C	C	C	C	SSE	SSE	S	SE	ENE	N
	12	C	C	SE	C	ESE	C	ESE	SE	SE	E	NE	NNE
	13	C	N	N	C	C	C	N	NW	WNW	W	SSW	SSW
	14	C	C	C	C	C	WSW	W	W	SW	W	W	WNW
	15	WSW	WSW	SW	C	C	C	C	WSW	NW	NW	W	WNW
	16	W	WSW	W	WSW	W	W	W	W	WNW	W	WSW	SW
	17	C	C	C	SSE	S	SSW	SSW	SSW	SW	S	SSW	SW
	18	S	S	S	S	C	C	C	S	S	NW	NNE	NNW
	19	SW	C	C	C	C	C	SW	SW	WSW	WNW	NW	NNE
	20.	C	C	C	C	C	C	S	S	S	S	S	NNW
	21	S	C	C	C	C	C	SW	SW	SSW	SSW	W	SSW
	22	C	C	C	C	C	C	SSW	SSW	SSW	SSW	SW	SW
	23	C	C	C	C	C	C	N	N	N	N	NNW	N
	24	C	C	C	C	C	S	S	S	SSE	ESE	E	ENE
	25	C	C	C	C	C	C	C	SSE	SSE	SSE	SE	NE
	26	C	C	C	C	C	C	SW	S	ESE	NE	NE	NE
	27	C	C	C	C	C	S	S	S	SE	E	NE	NNE
	28	C	C	C	C	C	C	S	S	S	WSW	N	NE
	29	C	C	SSW	SSW	C	C	SSW	C	SSW	ENE	E	ENE
	30	S	S	S	C	C	C	S	S	S	S	E	E
	31	C	C	C	C	C	C	C	SSW	ESE	E	NNE	NE

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
OCTOBER.	1	N	N	W	WNW	W	C	W	SSW	SSW	S	S	S
	2	NW	N	N	NE	NE	NE	S	S	SSW	S	S	C
	3	NW	NNE	E	ENE	C	E	N	C	C	C	C	C
	4	NW	NW	N	N	N	N	C	N	C	C	C	C
	5	NE	N	N	NE	ENE	E	C	C	C	C	C	C
	6	N	N	NE	NNE	NE	N	NNW	C	WNW	SW	S	SE
	7	NNE	NNE	N	NW	SW	SW	SW	SW	C	SW	C	SW
	8	NE	NE	NE	N	NE	NE	NE	C	C	NE	C	C
	9	NNE	NNW	NNW	NNW	WNW	SW	S	S	C	C	C	C
	10	NNE	NNE	NE	NE	NE	NE	NE	C	C	C	C	NE
	11	NNE	NNE	N	NNW	E	S	S	SSE	C	C	SSE	C
	12	NE	N	NNW	SW	S	SSE	C	SSE	SE	SE	NE	N
	13	NW	W	WNW	WNW	WNW	WNW	WNW	WNW	W	W	SW	C
	14	WNW	WNW	W	WSW	WSW	W	W	W	SW	WSW	WSW	WSW
	15	WSW	WSW	WSW	WSW	WSW	W	W	WSW	WSW	WSW	WSW	W
	16	NW	N	N	NW	WNW	E	E	SSE	C	C	SSE	C
	17	S	N	NNW	N	N	NNW	S	S	S	S	S	S
	18	NNW	N	N	N	N	NW	C	SW	SW	SW	SW	SW
	19	NNE	NNE	NNW	WSW	SSW	SSW	S	S	S	S	C	C
	20	NE	NNE	NNE	N	N	N	SSW	SSW	S	S	S	S
	21	ESE	SW	N	WNW	NW	C	C	WNW	S	S	SSW	C
	22	W	N	NW	NNE	N	N	C	C	C	C	C	N
	23	N	N	NE	NNE	N	N	N	N	S	SSE	SE	S
	24	NNE	N	NNE	SSW	S	SSE	SSE	SSE	SSE	SSE	SSE	SSE
	25	NNE	NNE	N	N	N	N	N	N	W	SW	C	C
	26	E	ESE	E	S	S	C	C	C	C	S	S	C
	27	ENE	NE	NNE	NE	N	N	SSW	S	C	C	C	C
	28	N	NNE	NNE	S	S	C	C	C	C	C	C	C
	29	N	N	N	N	N	N	C	C	C	C	C	W
	30	N	N	N	NW	WNW	S	SSW	C	C	C	C	C
	31	NE	NNW	NNW	NNW	W	WSW	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	0.8	0.8	0.0	0.0	0.0	0.0	0.0	1.6	1.6	2.4	4.0	4.8	—
	2	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	4.8	5.6	—
	3	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	1.6	1.6	3.2	4.0	—
	4	0.0	1.6	1.6	0.8	2.4	1.6	0.8	1.6	4.8	4.8	4.8	4.0	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	3.2	4.0	9.7	—
	6	0.0	0.8	0.0	0.0	0.0	0.0	2.4	3.2	3.2	3.2	4.0	4.0	—
	7	4.0	4.0	3.2	1.6	0.0	1.6	1.6	0.8	0.0	1.6	2.4	1.6	—
	8	0.0	0.0	0.0	0.0	0.0	1.6	3.2	1.6	1.6	3.2	6.4	8.0	—
	9	0.0	0.0	0.8	1.6	0.8	0.8	1.6	6.4	9.7	6.4	7.2	9.7	—
	10	0.0	0.0	1.6	0.8	0.0	0.8	1.6	0.0	4.0	8.9	8.9	8.0	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2	8.9	4.0	—
	12	0.0	0.0	2.4	0.0	0.8	0.0	0.8	1.6	4.8	5.6	5.6	8.0	—
	13	0.0	1.6	1.6	0.0	0.0	0.0	1.6	5.6	4.0	4.8	9.7	6.4	—
	14	0.0	0.0	0.0	0.0	0.0	2.4	3.2	3.2	4.8	8.0	11.3	11.3	—
	15	0.8	1.6	1.6	0.0	0.0	0.0	0.0	1.6	4.0	6.4	6.4	7.2	—
	16	3.2	4.0	4.8	3.2	3.2	3.2	0.8	1.6	1.6	3.2	3.2	1.6	—
	17	0.0	0.0	0.0	1.6	4.0	7.2	3.2	4.8	8.0	8.0	6.4	4.0	—
	18	1.6	0.8	0.8	0.8	0.0	0.0	0.0	2.4	1.6	3.2	3.2	8.0	—
	19	2.4	0.0	0.0	0.0	0.0	0.0	0.8	2.4	4.0	3.2	6.4	9.7	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	3.2	3.2	6.4	—
	21	0.8	0.0	0.0	0.0	0.0	0.0	1.6	2.4	12.9	9.7	5.6	10.5	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.0	5.6	3.2	3.2	3.2	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	4.0	4.0	—
	24	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	3.2	4.8	4.8	7.2	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6	4.0	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	4.8	6.4	6.4	8.0	—
	27	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.0	6.4	6.4	9.7	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	3.2	6.4	11.3	—
	29	0.0	0.0	1.6	0.8	0.0	0.0	0.8	0.0	1.6	6.4	7.2	9.7	—
	30	1.6	0.8	0.8	0.0	0.0	0.0	1.6	1.6	2.4	4.8	6.4	5.6	—
	31	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	6.4	5.6	9.7	—
Hourly Means.		0.49	0.54	0.67	0.36	0.36	0.70	1.32	2.09	3.72	4.57	5.54	6.74	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	8.9	8.9	8.0	4.0	0.8	0.0	1.6	4.8	1.6	1.6	1.6	1.6	2.48
	2	5.6	8.0	4.0	3.2	0.8	1.6	4.8	8.9	8.0	2.4	0.8	0.0	2.67
	3	3.2	4.0	8.0	3.2	0.0	0.8	1.6	0.0	0.0	0.0	0.0	0.0	1.37
	4	3.2	2.4	11.3	10.5	4.8	1.6	0.0	1.6	0.0	0.0	0.0	0.0	2.68
	5	11.3	9.7	9.7	9.7	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.99
	6	9.7	14.5	14.5	12.9	8.0	3.2	1.6	0.0	3.2	4.8	8.0	6.4	4.48
	7	4.0	9.7	8.0	6.4	4.8	3.2	0.8	0.8	0.0	0.8	0.0	0.8	2.57
	8	6.4	9.7	10.5	10.5	8.0	0.8	0.8	0.0	0.0	0.8	0.0	0.0	3.05
	9	9.7	9.7	12.1	9.7	3.2	3.2	2.4	1.6	0.0	0.0	0.0	0.0	4.03
	10	12.9	14.5	11.3	8.9	12.1	4.8	0.8	0.0	0.0	0.0	0.0	0.8	4.20
	11	8.0	5.6	8.0	4.8	6.4	3.2	0.8	0.8	0.0	0.0	0.8	0.0	2.67
	12	8.0	5.6	4.8	4.8	1.6	0.8	0.0	0.8	0.8	2.4	6.4	1.6	2.80
	13	5.6	6.4	10.5	10.5	9.7	9.7	10.5	3.2	1.6	3.2	2.4	0.0	4.53
	14	8.9	8.0	11.3	8.9	5.6	4.8	4.8	6.4	4.8	2.4	1.6	0.8	4.69
	15	8.0	9.7	8.0	8.0	6.4	4.8	5.6	4.8	3.2	4.0	4.8	3.2	4.17
	16	2.4	4.8	3.2	3.2	4.0	0.8	3.2	0.8	0.0	0.0	0.8	0.0	2.37
	17	3.2	4.8	7.2	7.2	6.4	3.2	3.2	1.6	3.2	4.8	6.4	3.2	4.23
	18	11.3	11.3	9.7	12.9	6.4	1.6	0.0	3.2	3.2	1.6	2.4	2.4	3.68
	19	12.1	12.9	11.3	6.4	3.2	5.6	7.2	4.8	2.4	1.6	0.0	0.0	4.02
	20	11.3	13.7	11.3	8.0	3.2	4.0	6.4	7.2	5.6	3.2	1.6	1.6	4.01
	21	8.9	4.8	8.0	5.6	3.2	0.0	0.0	3.2	8.0	4.8	2.4	0.0	3.85
	22	4.8	6.4	4.8	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.8	2.07
	23	4.8	6.4	4.8	4.8	5.6	1.6	1.6	2.4	4.8	0.8	1.6	3.2	2.37
	24	8.0	8.0	6.4	8.9	5.6	2.4	3.2	0.8	1.6	0.8	3.2	0.8	3.00
	25	8.0	8.0	7.2	8.0	7.2	1.6	0.8	1.6	3.2	1.6	0.0	0.0	2.40
	26	8.9	6.4	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.8	0.8	0.0	2.27
	27	8.0	4.8	9.7	8.0	3.2	3.2	9.7	0.8	0.0	0.0	0.0	0.0	3.25
	28	7.2	6.4	0.8	4.8	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.97
	29	12.9	10.5	6.4	3.2	0.8	1.6	0.0	0.0	0.0	0.0	0.0	3.2	2.78
	30	8.9	9.7	10.5	8.9	3.2	3.2	0.8	0.0	0.0	0.0	0.0	0.0	2.95
	31	12.1	9.7	9.7	4.8	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.82
Hourly Means.		7.94	8.23	8.20	7.05	4.57	2.43	2.33	1.94	1.78	1.37	1.47	0.98	3.14

CLOUDS.

CLEAR = 0. — OVERCAST = 10

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	6	10	10	7	10	10	10	7	7	8	7	6	—
	2	10	10	10	10	10	10	7	10	9	10	8	10	—
	3	7	8	4	8	8	3	10	10	10	10	10	10	—
	4	8	9	9	9	4	1	2	1	1	3	4	3	—
	5	2	1	2	1	2	2	5	2	6	6	4	8	—
	6	0	0	0	2	3	2	2	1	2	6	6	7	—
	7	10	10	10	10	10	10	10	10	10	10	10	10	—
	8	1	2	1	1	2	7	6	5	7	9	7	9	—
	9	2	3	3	2	2	8	10	9	9	10	9	6	—
	10	3	4	1	3	3	3	2	3	5	2	4	8	—
	11	6	10	7	6	6	6	6	5	8	8	10	8	—
	12	10	10	10	10	10	10	6	2	0	1	9	10	—
	13	10	10	10	10	10	10	10	10	10	10	9	7	—
	14	2	2	8	2	3	3	3	4	2	3	3	5	—
	15	7	9	10	9	8	9	10	10	9	9	8	9	—
	16	10	10	10	10	10	10	10	9	10	9	9	9	—
	17	2	1	1	2	6	3	4	6	4	4	6	4	—
	18	7	6	5	3	4	8	8	10	9	9	10	10	—
	19	2	2	2	3	3	6	7	3	3	2	6	3	—
	20	7	6	4	7	8	9	10	9	9	9	5	7	—
	21	10	10	10	10	10	6	9	7	7	8	8	7	—
	22	7	10	9	7	7	10	10	10	10	9	8	8	—
	23	8	9	9	9	8	9	5	6	8	10	10	10	—
	24	10	9	10	10	9	10	10	9	9	9	10	10	—
	25	7	9	9	9	9	7	4	5	5	8	9	9	—
	26	10	6	6	7	10	6	6	5	8	10	9	9	—
	27	4	5	3	7	7	9	6	7	6	6	7	7	—
	28	9	10	7	9	8	9	10	10	9	9	10	10	—
	29	8	5	7	8	6	8	10	9	9	9	9	8	—
	30	10	10	7	4	8	8	9	7	8	7	5	4	—
	31	6	4	4	4	6	4	3	3	1	3	3	7	—
Hourly Means.		6.5	6.8	6.4	6.4	6.8	7.0	7.1	6.6	6.8	7.3	7.5	7.7	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	2	4	10	10	10	10	10	10	10	10	9	9	8.4
	2	7	3	7	10	10	10	8	10	10	9	9	9	9.0
	3	8	8	7	8	9	9	10	9	6	5	8	9	8.1
	4	8	6	4	6	10	5	3	4	3	2	1	0	4.4
	5	7	9	8	8	8	3	2	2	1	0	0	1	3.8
	6	8	2	1	1	1	4	8	5	9	7	9	7	3.9
	7	8	8	7	6	6	7	2	8	9	2	2	1	7.8
	8	7	5	4	4	7	7	2	3	6	3	3	2	4.6
	9	10	7	8	10	10	10	10	9	6	6	6	5	7.1
	10	4	6	9	8	4	8	5	3	3	3	4	2	4.2
	11	9	6	8	9	10	10	7	4	9	4	2	5	7.0
	12	10	9	8	9	10	10	10	10	10	10	10	10	8.5
	13	6	7	10	10	10	7	7	6	5	9	9	9	8.8
	14	3	4	9	10	10	5	7	6	5	6	6	5	4.8
	15	9	8	6	5	7	4	2	1	2	6	4	5	6.9
	16	10	9	9	10	10	10	6	5	4	6	3	2	8.3
	17	8	9	9	8	7	10	8	8	10	10	10	9	6.2
	18	6	7	10	10	6	6	7	7	9	9	9	8	7.6
	19	3	2	3	10	7	10	3	5	6	10	7	8	4.8
	20	3	5	6	9	10	10	10	10	10	10	10	10	8.0
	21	9	9	10	10	10	10	8	9	8	9	9	8	8.8
	22	8	8	8	7	7	9	5	7	3	7	9	7	7.9
	23	10	10	10	7	6	7	9	10	10	10	10	10	8.8
	24	10	10	10	10	10	10	10	10	10	10	10	10	9.8
	25	8	6	6	8	9	7	6	10	10	5	4	5	7.3
	26	10	9	9	10	7	9	7	4	3	7	8	7	7.6
	27	10	9	8	7	9	10	10	10	9	9	9	9	7.6
	28	10	10	10	10	10	10	9	9	9	9	9	9	9.3
	29	7	10	10	10	10	10	10	10	10	10	10	10	8.9
	30	3	4	6	9	9	10	9	7	8	7	8	5	7.
	31	5	2	9	8	10	9	4	6	5	7	8	8	5.4
Hourly Means.		7.3	6.8	7.7	8.3	8.4	8.3	6.9	7.0	7.0	7.0	6.9	6.6	7.13

DURATION OF SUNSHINE.

OCTOBER.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	1	6	4	4	2	3	6	7	4	6	10	10	9	0	0	0	4.5
2	1	1	3	2	7	8	6	0	0	0	7	10	10	4	0	0	3.7
3	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0.2
4	10	10	10	10	8	7	9	8	8	3	5	5	8	6	3	4	7.1
5	6	2	4	6	5	5	6	4	5	8	6	6	7	8	8	7	5.8
6	8	8	10	4	6	9	7	5	4	3	5	6	10	10	10	10	7.2
7	0	0	1	0	0	0	4	4	6	1	1	6	4	4	5	5	2.6
8	9	8	7	8	9	9	9	9	4	1	4	2	6	9	8	8	6.9
9	2	0	0	0	0	0	5	8	8	3	0	0	2	6	4	4	2.6
10	3	4	8	8	9	9	7	7	4	8	9	9	8	5	0	2	6.3
11	9	9	7	4	1	0	0	1	9	7	0	0	6	2	5	8	4.3
12	10	10	10	10	7	4	0	3	6	4	0	0	5	2	1	0	4.5
13	0	0	0	1	8	9	10	10	8	4	4	0	0	0	2	6	3.9
14	10	10	10	9	9	9	8	7	7	10	9	9	6	2	1	0	7.3
15	0	0	2	3	3	8	7	8	4	2	3	1	6	5	7	10	4.3
16	0	0	0	0	0	0	0	0	0	0	1	4	4	0	2	0	0 7
17	10	9	9	9	10	10	10	6	7	3	6	1	3	2	6	4	6.6
18	0	2	1	5	6	7	4	8	4	7	5	5	2	0	0	0	3.5
19	9	10	10	10	10	6	1	7	10	10	10	10	10	10	10	10	8.9
20	0	2	6	9	4	9	7	5	7	10	10	10	10	9	8	7	7.1
21	9	9	8	9	8	9	9	9	9	9	7	1	1	3	1	0	6.3
22	0	0	0	2	1	5	6	6	7	8	5	5	9	9	3	0	4.1
23	7	4	6	1	2	0	0	0	0	0	0	0	0	1	2	6	1.8
24	1	2	4	1	3	2	3	3	1	3	3	2	1	3	2	0	2.1
25	9	1	3	1	0	1	3	1	3	4	6	7	7	10	10	9	4.7
26	10	8	5	3	0	1	0	0	0	0	0	0	0	2	2	0	1.9
27	4	6	9	9	8	8	6	7	4	0	0	0	0	5	7	6	4.9
28	7	9	9	8	4	6	0	4	9	0	0	0	0	0	0	0	3.5
29	2	1	5	5	3	3	6	4	9	9	7	1	0	0	0	0	3.4
30	8	9	6	9	9	10	9	10	9	8	9	9	10	9	7	5	8.5
31	8	10	10	9	9	5	7	8	9	9	7	8	10	10	2	7	8.0
Hourly Means.	4.9	4.8	5.4	5.1	4.9	5.2	5.1	5.2	5.3	4.5	4.5	4.1	5.0	4.4	3.7	3.8	4.74

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

OCTOBER.

Mean Batavia Time.	7^{h}30 A. M.	8	8^{h}30	9	9^{h}30	10	10^{h}30	11	11^{h}30	12	0^{h}30 P. M.	1	1^{h}30	2	2^{h}30	3	3^{h}30	4	4^{h}30
1	26.9	33.2	37.2	46.4	46.4	44.9	48.4	47.6	54.6	46.4	42.4	51.9	52.4	53.4	46.8	31.1	29.6	29.6	28 5
2	30.2	37.4	38.6	42.9	42.7	44.4	54.0	55.4	48.4	—	33.9	40.5	52.4	52 4	52.8	37.0	34.9	31.8	—
3	29.0	33.2	31.2	34.4	39.0	42.3	43.3	45.5	46.6	41.7	37.7	39.0	45.5	35.2	33.4	32.3	33.4	32.4	31.7
4	4.19	46.0	47.1	48.9	50.1	51.1	48.0	52.2	53.6	49.0	54.5	50.0	51.7	53.4	50.9	48.9	38.6	37.9	33.0
5	27.9	41.2	39.9	45.2	42.9	50.0	43.4	52.4	52.0	43.7	51.1	50.3	52.6	48.4	48.4	47.6	46.0	39.6	36 2
6	39.1	42.0	42 9	48.9	45.9	43.5	49.2	54.9	48 0	39.9	45 7	48.2	47.4	47.9	48.7	48.0	44.2	36 7	33.9
7	24.2	27.4	32.4	36.4	41.0	40.5	43.9	44.9	51.6	50.8	42.6	39.8	38.6	44.0	42.4	43.4	38.6	35.9	33.3
8	34.8	44.9	43.2	44.2	45.2	48.5	49.4	54.4	53.2	52.3	46.4	43.9	48.4	46.5	46.4	49.0	44.3	36.9	37.4
9	31.0	42.6	40.4	40.5	37.0	38.6	39.8	43.0	51.1	52.2	56.0	—	30.4	33.4	39.2	43.6	38.9	33.2	29.6
10	36.1	35.9	40.0	46.5	48.0	50.9	51.4	51.4	51.4	48.9	48.9	51.6	51.5	48.7	51.1	35.5	30.7	35.6	33.1
11	37.1	40.4	43.1	45.4	42.4	42.4	38.4	—	—	44.9	52.9	42.1	36.6	41.1	42.2	39.9	39.9	38.3	32.4
12	40.4	45.4	47.5	49.4	51.4	51.9	50.4	46.4	47.4	37.9	47.4	36.4	33.6	43.9	45.5	34.9	29.9	28.4	26.9
13	—	25.9	29.1	29.2	34.4	40.2	47.0	50.4	51.4	53.7	52.8	53.4	47.1	43.4	47.4	39.4	46.9	36.9	30.4
14	36.0	45.2	46.4	49.4	50 9	50.2	51.4	51.5	50.6	46.6	52.4	52.3	51.4	52.5	42.6	40.4	32.9	33.2	29.7
15	28.1	28.9	30.8	38.1	42.0	46.5	45.8	47.9	53.2	47.3	44.1	43.2	52.0	45.1	52.7	45.7	45.1	33.6	30.8
16	26.4	30.4	31.8	35.6	36.8	38.4	38.4	41.4	39 4	36.4	40.0	38.8	44.0	48.9	41.6	43 4	34.9	28.4	26.8
17	37.1	41.0	42.1	43.5	47.4	49.9	48.4	50.4	48 6	54.4	45.2	51.9	45.9	40.5	44.9	41.0	42.9	36.4	34.3
18	29.2	34.9	42.8	41.2	44.0	47.3	52.2	50.4	46.4	52.0	48.1	50.3	48.0	45.5	41.3	38.9	40.4	34.4	30.4
19	27.7	42.6	32.9	48.7	43.3	51.6	46.4	40.6	47.4	52.3	53.1	51.9	52.4	51.4	51.6	48.6	38.7	31.9	32.7
20	36.1	31.1	46.7	39.0	49.2	44.7	53.6	54.1	36.7	44.2	52.6	53.1	51.9	50.3	50.9	45.7	46.4	35.0	30.9
21	28.4	33.5	42.8	45.4	44.9	51.2	50.0	47.6	50.0	50.2	51.2	49.4	45.4	39.3	40.0	38.4	37.5	29.5	—
22	27.4	23.4	32.8	36.4	37.0	40.4	40.9	47.4	47.1	46.5	48.1	43.4	43.8	47.3	46.9	48.2	38.6	33.4	31.9
23	43.1	40.9	43.4	44.4	43.6	43.3	41.9	37.6	38.1	37.6	36.1	34.9	35.6	36.4	35.1	38.4	36.4	36 9	33.3
24	28.4	32.6	34.2	38.9	40.0	42.6	43.2	43.2	44.4	43 9	42.6	46.6	43.9	41.4	36.4	40.6	35.3	27.9	25.4
25	44.9	48.7	49.1	43.7	42.2	41.7	40.0	42.4	48.9	40.1	48.1	49.5	49.7	45.5	49.7	49.7	46.0	34.6	32.6
26	34.2	45.0	48.2	42.9	45.4	40.4	40.9	40.8	39.9	36.9	35.1	35.2	37.1	36.9	36.4	36.3	34.9	29.9	28.4
27	34.0	35.9	37.2	48.4	50.6	46.4	50.6	43.4	44.9	44.4	38.2	29.4	29.7	31.9	35.0	44.5	39.9	35.4	31.9
28	26 5	32.9	43.0	45.6	49.8	48.9	43.9	41.9	36.9	49.4	46.7	—	30.9	29.9	27.9	29.4	30.3	28.9	26.1
29	28.8	32.9	34.4	38.7	49.0	44.7	46.8	46.1	49.3	50.1	53.6	50.2	51.0	34.9	35.4	32.6	31.4	30.9	30.4
30	40.6	40.3	42.6	47.4	46.1	50.2	52.0	51.4	51.6	52.7	53.4	46.9	52.0	51.8	51.2	42.6	42.5	31.5	28.9
31	38.8	39.4	46.7	49.0	49.9	51.0	54.6	49.3	46.7	51.3	53.6	53.7	48.8	50.1	50.1	42.1	39.7	34.4	32.2
Means.	33 14	37.26	40.02	43.05	44.47	45.76	46.70	47.53	47 65	46.59	46.92	45.79	45.22	44 24	44.03	41.20	38.38	33.53	31.14

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.3 METER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	105	102	99	129	105	135	160	171	77	61	33	28	—
	2	88	63	132	69	83	77	91	83	83	50	25	36	—
	3	121	94	96	91	72	96	83	66	69	52	50	33	—
	4	99	66	44	50	94	102	102	55	39	39	30	25	—
	5	173	138	149	102	96	94	110	94	52	25	28	33	—
	6	176	135	113	110	118	121	118	63	25	14	30	19	—
	7	P N	22	50	30	22	61	61	184	116	69	39	30	—
	8	—	94	83	74	80	80	72	77	66	39	33	33	—
	9	80	74	66	41	74	96	151	83	19	36	33	41	—
	10	72	69	63	69	55	110	107	118	25	33	39	28	—
	11	165	121	113	63	55	85	91	63	52	33	110	138	—
	12	66	—	—	—	—	—	69	77	83	77	P N	P N	—
	13	P N	P N	P N	P N	P N	P N	P N	P N	P N	143	58	55	—
	14	138	102	105	107	138	96	121	129	88	72	41	22	—
	15	80	80	72	107	140	129	176	132	143	88	52	52	—
	16	66	69	41	55	77	77	135	157	132	116	91	58	—
	17	193	173	176	157	83	88	127	69	72	47	52	39	—
	18	83	55	47	55	66	77	121	77	94	66	66	50	—
	19	69	63	72	94	91	140	132	36	61	41	39	36	—
	20	77	66	61	63	63	88	110	91	83	61	30	36	—
	21	99	99	94	105	96	138	113	110	41	44	33	28	—
	22	91	91	94	—	—	—	—	83	83	83	63	55	—
	23	184	88	83	63	107	165	105	88	55	33	47	55	—
	24	94	69	55	91	91	140	178	140	72	58	66	80	—
	25	—	—	—	—	—	—	110	—	—	—	—	—	—
	26	121	138	94	96	88	96	129	41	28	33	33	77	—
	27	160	184	165	143	107	110	116	116	77	50	69	N	—
	28	165	135	151	96	138	116	154	176	121	61	33	P N	—
	29	121	96	102	88	72	99	135	110	83	41	33	25	—
	30	N	121	121	113	105	69	33	66	14	— 8	11	19	—
	31	—	—	—	—	—	—	—	105	25	11	33	41	—
Hourly Means.		115.4	96.6	94.1	87.0	89.1	103.3	114.6	98.6	68.2	52.3	44.8	43.4	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	41	33	N	N	— 19	105	162	44	160	6	55	116	86.7
	2	61	44	41	N	107	149	187	99	220	77	91	83	88.7
	3	— 8	N	66	44	91	94	234	66	105	129	129	102	85.9
	4	17	14	44	72	88	74	113	138	127	176	168	160	80.7
	5	22	44	39	52	— 8	124	146	193	215	217	171	149	102.4
	6	28	33	39	50	50	69	129	201	193	P N	P N	P N	87.3
	7	30	33	41	55	116	138	77	—	—	—	—	—	65.2
	8	28	11	33	36	44	88	132	162	204	149	124	102	80.2
	9	55	132	N	P N	P N	P N	157	140	116	118	135	121	88.4
	10	44	36	P N	74	72	121	187	206	P N	P N	P N	168	84.8
	11	P N	—	—	—	—	—	—	121	138	85	55	58	90.9
	12	P N	P N	P N	P N	P N	P N	P N	P N	P N	P N	P N	P N	74.4
	13	44	55	74	50	105	118	143	132	160	149	110	121	101.1
	14	44	36	39	72	107	135	160	110	99	121	118	107	96.1
	15	83	55	55	52	63	110	121	99	91	80	61	66	91.1
	16	99	88	118	P N	P N	116	195	184	215	P N	212	171	117.7
	17	36	41	52	77	69	P N	P N	— 33	P N	P N	P N	96	84.9
	18	39	55	63	63	143	190	228	140	129	110	88	107	92.2
	19	47	63	41	66	83	173	138	113	121	80	85	91	82.3
	20	19	11	83	P N	P N	P N	P N	P N	P N	72	129	96	68.8
	21	25	33	44	63	P N	P N	P N	149	116	99	85	88	81.0
	22	36	47	41	50	47	94	184	143	121	187	171	176	97.0
	23	69	77	80	61	58	72	102	N	N	83	129	107	86.9
	24	74	50	77	P N	P N	P N	P N	--	—	—	—	—	89.0
	25	41	39	33	39	61	143	251	217	124	121	129	151	112.2
	26	72	83	91	135	P N	91	176	204	220	220	178	165	113.4
	27	N	N	80	96	102	P N	P N	P N	P N	184	212	176	126.3
	28	P N	P N	N	154	107	99	146	154	215	173	151	143	134.4
	29	33	P N	P N	83	105	135	113	127	160	220	146	149	103.5
	30	28	33	33	22	P N	P N	110	129	—	—	—	—	59.9
	31	28	44	83	3	143	83	107	138	157	206	184	178	92.3
Hourly Means.		42.0	47.6	57.9	63.9	78.8	114.6	154.1	135.0	154.8	133.1	129.8	124.9	93 50

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	9.01	8.70	8.51	8.72	9.10	9.52	9.78	10.14	10.24	10.13	9.65	9.09	—
	2	9.26	8.88	8.75	8.56	8.99	9.30	9.90	10.31	10.17	9.96	9.44	8.77	—
	3	9.14	8.56	8.53	8.68	8.79	9.30	10.11	10.44	10.46	10.24	9.88	9.21	—
	4	9.35	9.18	9.09	9.35	9.71	10.09	10.50	10.86	10.74	10.43	9.96	9.37	—
	5	9.26	8.71	8.74	8.69	9.01	9.57	10.02	10.36	10.58	10.33	10.05	9.48	—
	6	9.06	8.47	7.69	7.90	8.36	8.72	8.92	9.61	9.85	9.70	9.10	8.48	—
	7	8.27	7.89	7.80	8.02	8.48	9.00	9.37	9.83	9.76	9.81	9.39	8.42	—
	8	9.41	9.01	8.82	9.04	9.29	9.54	10.31	10.77	10.55	10.39	10.12	9.32	—
	9	9.82	9.52	9.35	9.35	9.51	9.87	10.01	10.16	10.30	9.93	9.66	8.99	—
	10	8.81	8.12	7.89	7.66	8.19	8.47	9.51	9.89	10.14	9.73	9.65	9.05	—
	11	7.94	7.66	7.59	7.45	7.86	7.96	8.67	9.24	9.52	9.57	9.12	8.62	—
	12	8.70	8.31	8.13	8.06	8.41	8.83	9.48	9.77	10.02	9.76	9.44	8.78	—
	13	9.27	9.00	8.87	8.83	9.27	9.78	10.37	10.93	11.07	11.06	10.61	10.33	—
	14	10.46	10.07	9.65	9.56	9.67	9.93	10.35	10.61	10.67	10.70	10.22	9.59	—
	15	9.52	8.94	8.59	8.74	8.74	9.10	9.62	10.26	10.24	9.66	9.39	8.75	—
	16	8.49	8.07	7.85	7.87	7.98	8.30	8.85	9.49	9.57	9.09	8.94	8.61	—
	17	8.63	8.49	7.96	8.22	8.24	8.56	9.42	9.64	9.98	9.93	9.41	9.19	—
	18	9.01	8.62	8.33	8.36	8.83	9.38	9.71	10.11	10.57	10.05	9.70	9.44	—
	19	9.21	8.86	8.91	9.17	9.30	10.07	10.42	11.10	11.03	10.64	10.16	9.99	—
	20	9.58	9.00	8.76	9.10	9.20	9.85	10.43	10.68	11.02	10.67	10.28	9.60	—
	21	10.01	9.77	9.47	9.08	9.43	10.01	10.47	10.76	10.91	10.70	10.28	9.65	—
	22	9.71	9.43	9.16	9.18	9.56	10.02	10.58	11.16	11.29	11.11	10.70	9.98	—
	23	9.68	9.56	9.20	9.33	9.71	10.45	11.20	11.31	11.47	11.00	10.56	9.89	—
	24	10.26	10.13	10.08	10.12	10.40	10.81	11.18	11.43	11.66	11.43	10.70	10.27	—
	25	10.22	9.84	9.77	10.05	10.21	11.07	11.43	11.85	12.00	11.70	10.96	10.37	—
	26	10.15	9.61	9.28	9.22	9.61	10.14	10.65	11.31	11.65	11.61	10.84	10.25	—
	27	10.39	9.93	9.70	9.66	9.88	10.30	10.65	10.96	11.14	10.84	10.36	9.84	—
	28	10.14	9.81	9.53	9.29	9.31	9.59	10.11	10.48	10.46	10.32	9.82	9.19	—
	29	9.73	9.41	9.15	9.27	9.43	9.90	10.16	10.68	10.76	10.43	9.93	9.33	—
	30	8.59	8.30	7.93	8.09	8.15	8.66	9.28	9.64	9.84	9.59	9.14	9.09	—
Hourly Means.		9.36	8.99	8.77	8.82	9.09	9.54	10.05	10.45	10.59	10.35	9.92	9.36	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	8.53	8.00	7.31	7.27	7.57	8.53	9.19	9.90	10.30	10.11	10.10	9.73	9.13
	2	8.03	7.57	6.67	7.43	8.23	8.53	8.98	9.46	9.64	9.95	9.86	9.51	9.01
	3	8.28	7.70	7.50	7.35	7.93	8.24	8.85	9.33	9.73	10.13	9.95	9.65	9.08
	4	8.52	7.92	7.57	8.77	9.87	10.54	10.18	10.49	10.76	10.59	10.46	10.07	9.77
	5	8.58	7.76	7.29	7.62	8.68	9.50	9.90	10.35	10.09	9.70	9.36	9.36	9.29
	6	8.24	7.06	7.24	7.49	7.75	7.95	8.69	9.15	9.63	9.55	9.36	8.95	8.62
	7	7.55	7.03	6.56	7.55	7.68	8.15	9.41	9.85	10.16	10.34	10.21	9.80	8.76
	8	8.66	8.34	7.75	8.09	8.74	9.44	9.88	10.50	11.13	11.05	10.65	9.92	9.61
	9	8.19	7.69	7.13	7.42	7.99	8.71	9.30	9.69	9.91	10.05	9.84	9.46	9.24
	10	7.92	7.34	6.80	6.83	7.27	7.55	7.96	8.53	9.27	9.29	8.83	8.56	8.47
	11	8.25	8.06	7.26	7.10	7.31	7.66	8.31	8.66	9.24	9.36	9.17	8.83	8.35
	12	7.94	7.65	7.17	7.42	7.68	8.44	9.11	9.30	9.89	10.25	10.26	9.87	8.86
	13	9.90	9.34	8.66	8.79	9.18	9.68	9.86	10.55	10.87	10.87	10.89	10.71	9.95
	14	9.02	8.50	7.82	7.96	8.46	8.79	9.21	9.75	10.32	10.35	10.11	9.97	9.66
	15	8.24	7.37	6.94	6.92	7.21	7.82	8.50	9.10	9.11	9.53	9.44	8.76	8.77
	16	7.99	7.18	6.80	6.60	6.82	7.25	7.80	8.72	9.26	9.75	9.85	9.26	8.32
	17	8.63	8.74	8.56	8.41	8.66	8.77	9.41	9.92	10.32	10.49	10.09	9.60	9.12
	18	9.08	8.60	8.98	8.94	8.82	9.46	9.97	10.62	10.97	10.87	10.63	9.70	9.53
	19	9.74	9.15	8.36	8.39	8.55	9.15	9.88	10.16	10.56	10.39	10.70	9.97	9.74
	20	8.94	8.76	7.98	8.06	8.29	8.83	9.53	10.11	10.86	10.89	10.84	10.44	9.65
	21	9.24	8.48	7.90	7.90	8.37	8.74	9.20	9.78	10.15	10.18	10.07	9.72	9.59
	22	9.15	8.37	7.91	7.91	8.50	9.06	9.94	10.41	10.88	10.95	10.87	10.34	9.84
	23	9.20	8.45	7.90	7.63	7.93	8.63	9.25	9.85	10.68	10.65	10.66	10.47	9.78
	24	9.66	9.07	8.87	8.54	8.43	8.76	9.48	9.88	10.54	10.75	10.80	10.49	10.16
	25	9.65	8.94	8.27	7.96	8.14	8.62	9.24	9.81	10.53	10.98	10.95	10.53	10.13
	26	9.77	9.22	8.53	8.49	8.41	8.95	9.49	10.07	10.81	11.06	11.10	10.73	10.03
	27	8.82	8.21	7.81	7.62	8.43	9.33	10.21	10.47	10.88	11.01	11.00	10.73	9.92
	28	8.55	8.17	7.54	7.58	7.82	8.24	8.75	9.53	9.96	10.55	10.37	10.20	9.39
	29	8.71	7.88	7.47	7.39	8.22	8.76	8.92	9.47	9.80	9.70	9.71	8.93	9.30
	30	8.23	7.83	7.16	7.56	7.93	8.15	8.73	9.25	9.58	9.65	9.31	8.94	8.69
Hourly Means.		8.71	8.15	7.66	7.76	8.16	8.67	9.24	9.76	10.19	10.30	10.18	9.77	9.33

STANDARD THERMOMETER.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	–
NOVEMBER.	1	73.8	73.4	73.2	73.0	72.4	72.2	73.0	76.1	79.7	82.3	84.5	85.6	—
	2	76.2	75.8	75.1	74.8	74.6	74.3	76.0	79.0	82.2	84.6	85.0	87.0	—
	3	75.2	74.9	74.7	74.5	74.3	74.3	74.8	76.1	75.9	77.3	80.7	83.3	—
	4	75.3	74.8	74.6	74.1	73.9	73.7	75.7	79.2	81.6	84.0	85.8	85.8	—
	5	73.2	73.0	72.6	72.5	72.0	72.0	73.7	77.2	80.3	82.5	83.9	84.0	—
	6	73.6	73.4	73.0	73.0	73.0	73.0	73.5	74.5	76.9	77.0	79.6	80.6	—
	7	73.5	73.1	72.7	72.4	72.0	71.9	72.6	73.8	76.1	78.1	81.2	83.5	—
	8	74.5	74.4	74.0	73.9	73.7	73.5	74.7	76.5	79.8	82.8	84.4	86.3	—
	9	74.8	74.2	74.2	74.0	73.8	73.8	75.5	77.0	79.2	80.4	82.4	83.9	—
	10	74.7	74.1	74.0	74.0	74.0	74.0	74.5	75.6	77.5	79.2	80.9	81.7	—
	11	75.2	74.7	74.2	74.2	74.4	74.2	74.0	74.5	74.7	75.3	73.7	74.8	—
	12	72.5	72.4	71.8	71.4	71.3	71.5	72.5	75.5	78.2	80.5	81.4	82.9	—
	13	72.4	72.5	72.4	72.0	72.0	72.3	73.0	74.3	77.0	79.3	79.7	80.2	—
	14	74.0	73.5	73.4	73.0	72.9	72.7	73.3	76.0	78.3	79.9	81.4	80.8	—
	15	74.2	74.0	74.0	73.6	73.6	73.6	74.3	76.1	78.1	80.5	82.1	82.0	—
	16	74.3	73.5	73.1	72.7	72.7	73.1	74.1	76.4	77.5	79.0	80.9	81.6	—
	17	76.0	75.6	75.0	74.7	74.2	74.0	74.6	77.0	78.1	80.0	82.3	79.0	—
	18	73.0	72.6	72.2	71.7	71.7	72.5	74.2	75.3	76.9	78.1	81.1	80.3	—
	19	73.0	72.8	72.8	71.8	71.5	71.7	72.4	73.4	76.6	79.1	80.2	77.2	—
	20	72.8	72.4	72.2	72.0	72.0	72.2	73.2	75.1	76.8	77.6	79.0	80.0	—
	21	73.8	73.6	73.4	73.4	72.9	72.7	74.1	77.1	80.0	82.0	83.0	84.0	—
	22	72.4	72.0	71.4	71.4	71.2	71.0	71.3	73.6	79.0	81.6	84.0	85.2	—
	23	72.0	71.6	70.5	69.2	68.6	69.0	71.5	75.4	79.3	82.2	85.4	87.7	—
	24	71.5	70.6	69.8	69.6	69.0	68.4	71.4	77.0	79.7	82.9	85.1	87.3	—
	25	73.0	72.3	71.5	71.0	70.0	70.0	71.9	76.3	80.3	83.0	85.4	85.0	—
	26	75.6	75.0	74.4	73.2	72.5	72.3	74.0	78.0	81.8	83.1	86.0	87.3	—
	27	76.3	75.4	75.2	75.0	74.8	74.5	76.7	80.6	83.0	85.0	86.2	85.4	—
	28	75.1	74 6	74.6	74.2	73.6	73.5	75.2	78.5	82.1	84.8	86.0	86.2	—
	29	77.2	76.7	76.1	75.8	75.4	75.4	76.4	78.0	80.7	83.0	85.1	86.8	—
	30	76.5	76.3	76.0	75.5	75.0	75.3	76.2	78.6	80.2	81.2	83.0	78.1	—
Hourly Means.		74.19	73.77	73.40	73.05	72.77	72.75	73.94	76.39	78.92	80.88	82.65	83.12	–

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	86.4	85.6	86.2	84.4	84.0	82.6	81.0	79.6	78.6	78.0	77.2	76.7	79.15
	2	86.0	85.6	84.8	83.5	75.2	75.2	74.9	75.0	74.9	75.0	75.0	75.2	78.54
	3	85.0	84.0	82.9	83.7	82.0	80.6	79.5	78.2	77.4	76.7	76.0	75.7	78.24
	4	87.1	86.4	85.7	79.1	78.0	75.4	74.2	74.8	74.8	74.6	74.0	73.7	78.18
	5	81.7	81.7	83.0	82.8	80.0	73.8	73.4	73.3	73.4	73.8	73.5	73.4	76.70
	6	77.6	77.4	79.0	78.2	77.7	76.9	76.4	76.4	75.2	74.8	74.3	73.9	75.79
	7	84.9	84.3	82.7	79.0	76.2	74.7	75.1	74.9	74.5	74.1	74.4	74.7	76.27
	8	83.8	78.4	82.4	78.4	77.9	77.5	76.0	75.0	75.1	75.0	74.9	74.7	77.40
	9	83.6	81.2	81.2	81.0	80.8	80.1	77.9	76.2	75.5	75.1	74.8	74.7	77.72
	10	82.0	83.0	83.2	82.6	81.6	80.3	78.9	78.3	77.7	77.1	76.5	75 8	77.97
	11	76.1	75.6	76.9	77.0	76.4	75.4	74.3	73.8	73.6	73.2	72.9	72.6	74.65
	12	83.8	82.3	81.7	79.3	77.6	76.6	76.1	75.6	75.4	74.9	74.5	74.0	76.40
	13	79.4	79.1	78.6	78.2	78.0	77.0	76.1	75.7	75.5	75.0	75.0	74.1	75.78
	14	81.5	80.6	79.9	79.9	78.0	75.8	75.0	74.8	74.6	74.4	74.2	74.2	76.34
	15	78.6	81.6	82.1	81.2	78.0	77.2	76.7	76.6	76.0	75.5	75.2	74.9	77.07
	16	81.4	81.1	81.7	82.1	82.5	80.7	79.1	78.0	77.5	77.2	76.7	76.3	77.63
	17	78.2	75.7	74.2	74.2	74.2	74.2	74.2	74.0	73.9	73.9	73.7	73.3	75.59
	18	75.0	76.2	75.0	74.3	73.4	73.3	73.3	73.3	73.1	73.0	73.0	72.8	74.39
	19	75.8	76.0	78.7	78.7	78.6	77.2	76.2	74.4	74.1	73.7	73.5	73.2	75.11
	20	82.1	77.6	80.5	80.1	79.5	78.5	77.5	75.6	75.1	74.1	74.3	74.1	76.01
	21	85.5	86.3	86.0	85.5	83.1	81.4	79.8	78.1	76.3	74.8	74.0	73.3	78.50
	22	85.7	85.9	86.0	85.0	83.2	81.4	79.9	78.3	77.0	75.8	73.7	72.4	77.85
	23	88.7	90.0	89.8	89.0	87.2	84.4	81.9	78.4	77.2	75.6	74.2	72.9	78.82
	24	87.4	86.9	84.6	83.3	82.4	81.2	79.2	77.8	76.4	75.0	74.6	73.8	77.70
	25	84.7	85.0	85.2	85.0	84.0	82.5	80.4	78.5	77.0	76.9	76.4	76.2	78.40
	26	85.0	85.0	84.3	84.4	83.3	82.0	81.0	79.7	78.7	77.6	77.4	76.7	79.51
	27	86.0	86.7	84.8	84.5	83.5	82.0	78.8	77.2	76.8	76.2	76.3	75.8	79.86
	28	86.6	86.4	86.4	85.0	84.0	82.9	81.6	80.8	80.0	80.0	79.0	78.0	80.38
	29	85.8	86.3	86.2	85.0	83.6	80.4	79.1	78.3	77.5	77.2	77.4	77.0	80.02
	30	77.0	77.9	79.0	78.8	78.8	78.0	77.4	77.0	76.8	76.6	76.4	75.8	77.56
Hourly Means.		82.75	82.33	82.42	81.44	80.09	78.64	77.50	76.59	75.99	75.49	75.10	74.66	77.45

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	938	937	929	929	928	928	911	842	795	722	636	616	—
	2	923	915	922	930	930	938	889	816	722	651	652	653	—
	3	957	965	947	947	956	956	956	940	923	900	783	699	—
	4	939	947	939	947	947	947	915	810	736	675	624	630	—
	5	955	955	955	955	955	955	929	876	775	703	694	674	—
	6	973	973	964	964	964	964	956	956	875	875	803	775	—
	7	938	946	946	946	955	955	937	921	874	830	719	673	—
	8	862	896	912	921	929	929	904	899	766	663	631	619	—
	9	965	965	965	965	965	965	940	883	802	782	751	707	—
	10	947	956	947	956	956	956	973	940	884	832	776	721	—
	11	939	956	956	947	947	956	956	947	930	898	956	930	—
	12	910	919	946	963	954	964	946	872	807	746	727	732	—
	13	825	842	867	875	892	885	920	956	866	771	786	774	—
	14	938	946	955	964	964	946	938	865	822	788	727	747	—
	15	965	965	965	965	965	965	965	882	830	768	722	764	—
	16	947	946	955	964	964	964	947	916	867	778	739	742	-
	17	906	905	905	904	921	912	913	851	814	766	729	823	—
	18	946	946	936	955	955	946	930	914	874	884	796	824	—
	19	955	964	955	964	964	964	955	911	842	786	753	867	—
	20	929	937	936	955	955	955	929	880	858	820	808	781	—
	21	912	929	938	938	946	937	904	835	752	687	636	628	—
	22	910	901	900	900	891	900	909	844	691	645	577	576	—
	23	874	891	908	933	924	924	883	768	656	607	477	479	—
	24	856	863	888	853	878	878	814	669	629	535	481	504	—
	25	911	910	909	908	907	871	841	786	709	644	541	620	—
	26	914	922	921	894	893	902	853	798	694	678	611	586	—
	27	931	939	930	939	939	947	906	797	725	646	625	686	—
	28	930	930	930	921	929	938	897	838	743	638	605	656	—
	29	891	891	899	915	922	931	924	901	835	725	691	640	—
	30	915	915	923	931	939	939	923	862	826	748	704	782	—
Hourly Means.		923	929	932	935	938	937	919	866	797	740	692	697	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	643	653	649	668	700	730	804	855	885	901	907	916	809
	2	655	672	683	726	914	905	930	930	939	947	956	966	840
	3	670	714	731	686	778	835	879	926	907	916	931	931	868
	4	616	619	597	784	836	897	921	930	930	947	956	956	835
	5	799	806	739	745	743	911	929	946	955	947	965	973	868
	6	892	883	816	845	884	907	932	923	922	913	913	921	908
	7	588	649	710	801	865	922	922	913	930	938	913	871	861
	8	706	776	738	776	860	875	881	947	956	965	965	956	847
	9	693	769	747	739	789	810	867	873	922	939	947	956	863
	10	764	663	658	675	741	796	846	893	907	924	932	940	858
	11	923	905	900	859	826	889	829	845	853	869	886	902	909
	12	687	702	713	720	774	826	856	880	889	888	888	869	841
	13	816	778	769	814	836	891	899	889	914	914	914	912	859
	14	749	789	787	795	813	930	947	956	947	956	956	956	883
	15	861	763	708	733	813	851	882	891	923	940	947	947	874
	16	756	755	749	750	695	753	793	836	852	859	891	906	847
	17	845	872	904	939	939	939	947	947	956	956	947	938	895
	18	956	915	913	938	946	955	946	965	964	955	955	964	928
	19	905	889	837	814	807	827	849	913	938	938	938	937	895
	20	737	852	797	744	786	777	812	856	814	861	887	887	856
	21	566	540	538	560	624	650	692	744	809	838	861	886	765
	22	578	586	568	564	606	617	664	694	703	729	827	866	735
	23	457	470	464	491	509	554	619	730	719	751	771	808	694
	24	521	566	623	663	694	725	784	828	849	879	888	895	740
	25	612	601	589	594	634	702	781	821	874	866	890	906	768
	26	697	665	682	702	733	771	797	848	885	907	907	932	800
	27	655	639	703	682	734	771	837	875	891	906	899	915	813
	28	664	619	625	658	700	738	784	819	848	848	878	901	793
	29	706	689	682	703	726	743	763	807	844	875	883	891	812
	30	827	852	847	838	854	876	892	916	916	924	923	923	875
Hourly Means.		718	722	716	734	772	812	843	873	888	900	911	918	838

DIRECTION OF THE WIND.

NOVEMBER.

Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12
1	C	WSW	WSW	C	C	WSW	WSW	WSW	WSW	SW	E	E
2	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	E	ENE	NE	NE
3	C	C	C	C	C	SW	SW	E	SE	ESE	E	ESE
4	C	C	C	C	C	C	N	N	SW	SW	W	NE
5	C	C	C	C	C	C	C	C	SSE	E	NNE	NNE
6	C	C	C	C	C	C	C	S	S	WSW	NW	N
7	C	C	C	C	C	C	S	C	S	SW	W	W
8	C	C	C	C	C	C	SW	W	NW	WNW	WNW	WNW
9	C	S	C	C	C	S	S	S	S	SW	N	NNW
10	SW	SW	C	C	C	C	C	SW	SW	SW	SSW	E
11	C	C	WSW	WSW	WSW	WSW	W	NNW	NNE	NNE	NW	NW
12	C	C	C	C	C	C	WNW	WNW	NW	NW	WNW	SW
13	SSW	SSW	C	C	SSW	ESE	C	ESE	N	N	NNE	NNE
14	C	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	E	NE	NE
15	C	C	C	C	C	C	C	SW	SW	WSW	SW	SW
16	C	C	C	C	C	C	W	W	WNW	WNW	WNW	NW
17	C	WNW	WNW	WNW	W	W	W	W	W	NW	NW	NW
18	C	C	C	C	C	C	W	WNW	NW	WNW	W	WNW
19	SW	SW	W	NW	C	C	NE	C	NNE	NW	NW	NNW
20	W	W	C	W	W	C	W	W	NW	NW	WNW	NW
21	WNW	WNW	WNW	WNW	WNW	WNW	WNW	W	W	WSW	WSW	W
22	C	C	C	C	C	C	C	WSW	SW	SW	W	W
23	C	C	C	C	C	C	C	WSW	SW	SW	W	WSW
24	C	C	C	C	C	C	C	C	C	SW	W	W
25	C	C	C	C	C	C	C	C	ENE	WNW	SW	NNE
26	C	C	C	C	C	N	N	C	E	ESE	ESE	E
27	C	C	C	C	C	C	NE	SE	ESE	E	ENE	NE
28	C	SW	SW	C	C	SW	SW	SW	NE	E	E	E
29	C	C	NNE	NNE	C	C	C	NNE	NE	NE	ENE	ENE
30	C	S	S	C	C	C	S	S	NNE	NNE	NNE	E

NOVEMBER.

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12
1	NNE	NNE	NE	N	NNE	NNE	C	C	C	C	C	C
2	NNE	NNE	N	NNE	SW	SW	SW	SW	C	C	C	C
3	N	N	NE	NE	N	C	C	C	C	C	N	C
4	N	N	N	S	SW	ESE	SE	SE	SE	SE	C	C
5	NE	NNE	N	NNE	ESE	SE	SE	SE	S	C	S	S
6	ESE	E	ENE	S	S	C	C	C	C	C	C	C
7	NW	NW	WNW	SW	SW	SW	SW	S	C	C	S	SW
8	NNW	NNW	NNW	NW	W	WNW	S	S	C	C	S	C
9	NNW	NNW	NNW	NW	NW	NW	NW	SW	C	C	C	C
10	N	N	N	NW	NW	NNW	WSW	C	C	C	C	C
11	NW	WSW	WSW	WSW	WSW	WSW	W	W	W	WNW	WNW	WNW
12	NW	WNW	NW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	SW
13	NE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	E	ESE
14	NNE	NE	NE	NNE	SW	SW	C	SW	C	C	C	C
15	NW	N	NNW	NW	W	C	W	W	C	C	C	C
16	NW	NW	NW	NW	WNW	WNW	WNW	WNW	C	C	C	C
17	NNW	W	W	C	C	C	C	C	C	C	C	C
18	NNW	NW	WNW	WSW	WSW	C	C	C	C	C	WSW	WSW
19	NW	NW	W	SW	WSW	WSW	W	W	W	C	W	C
20	NNW	WSW	NW	WNW	W	W	WNW	WNW	WNW	W	W	WNW
21	W	W	WSW	W	W	W	C	C	C	C	C	C
22	WSW	WSW	WSW	W	W	W	C	C	C	C	C	C
23	NW	WNW	NW	NW	W	W	C	C	C	C	C	C
24	N	NE	NNE	NNE	N	C	C	C	C	C	C	C
25	NNE	NNE	N	N	N	C	C	C	C	C	C	C
26	NE	NE	NNE	NNE	NE	NE	C	C	C	C	C	C
27	NE	NE	NNE	NE	N	N	SW	SW	C	C	C	C
28	NNE	N	NE	NNE	N	NNE	C	C	C	C	NNE	NNE
29	N	N	NE	NNE	NNE	S	C	C	C	S	C	C
30	SE	SE	S	S	S	C	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	0.0	0.8	0.8	0.0	0.0	0.8	1.6	4.8	4.0	2.4	6.4	8.0	—
	2	1.6	0.8	1.6	1.6	0.8	0.8	1.6	1.6	3.2	6.4	6.4	12.9	—
	3	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.0	4.8	5.6	3.2	8.0	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	4.0	4.0	6.4	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	8.0	13.7	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	4.0	8.0	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.4	3.2	4.0	4.0	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	5.6	4.8	8.0	—
	9	0.0	0.8	0.0	0.0	0.0	0.8	1.6	1.6	1.6	2.4	5.6	9.7	—
	10	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	2.4	4.8	—
	11	0.0	0.0	0.8	0.8	0.8	0.8	2.4	3.2	2.4	3.2	1.6	0.8	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	7.2	9.7	8.0	6.4	—
	13	5.6	1.6	0.0	0.0	0.8	1.6	0.0	0.8	4.8	8.9	8.9	8.0	—
	14	0.0	0.8	0.8	0.8	2.4	1.6	3.2	5.6	8.0	8.0	5.6	11.3	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0 0	1.6	2.4	3.2	2.4	4.8	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	7.2	8.0	13.7	14.5	—
	17	0.0	0.8	0.8	0.8	0.8	0.8	1.6	4.0	4.0	5.6	11.3	13.7	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	4.8	7.2	6.4	6.4	—
	19	1.6	0.8	2.4	3.2	0.0	0.0	0.8	0.0	2.4	4.8	8.0	10.5	—
	20	0.8	1.6	0.0	0.8	0.8	0.0	0.8	3.2	5.6	5.6	5.6	6.4	—
	21	0.8	0.8	0.8	0.8	0.8	2.4	6.4	4.8	8.0	8.0	8.0	8.9	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	2.4	3.2	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.8	0.8	2.4	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0 8	0.8	3.2	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	—
	26	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	2.4	4.8	5.6	6.4	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.0	8.9	8.0	12.1	—
	28	0.0	0.8	0.8	0.0	0.0	0.8	1.6	1.6	4.0	6.4	11.3	8.0	—
	29	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	0.8	2.4	5.6	6.4	—
	30	0.0	0.8	0.8	0.0	0.0	0.0	0.8	1 6	1.6	3.2	4.8	6.4	—
Hourly Means.		0.40	0.37	0.35	0.32	0.24	0.40	1.15	1.97	3.31	4.68	5.64	7.50	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	7.2	8.0	9.7	9.7	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.98
	2	15.3	13.7	13.7	8.9	6.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	4.22
	3	8.9	10.5	11.3	8.9	3.2	0.0	0.0	0.0	0.0	0.0	0.8	0.0	3.22
	4	9.7	12.9	12.1	12.1	8.0	3.2	3.2	3.2	0.8	0.8	0.0	0.0	3.55
	5	9.7	8.9	12.1	9.7	11.3	4.8	2.4	2.4	3.2	0.0	0.8	1.6	3.89
	6	9.7	4.8	3.2	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.77
	7	8.0	11.3	4.0	6.4	1.6	4.8	1.6	1.6	0.0	0.0	0.8	3.2	2.40
	8	12.1	6.4	9.7	8.0	1.6	1.6	1.6	1.6	0.0	0.0	0.8	0.0	2.78
	9	12.9	9.7	9.7	4.8	1.6	1.6	0.8	3.2	0.0	0.0	0.0	0.0	2.85
	10	7.2	9.7	8.0	7.2	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.17
	11	1.6	2.4	3.2	3.2	1.6	0.8	2.4	4.8	3.2	1.6	1.6	0.8	1.83
	12	4.8	9.7	6.4	5.6	2.4	1.6	0 8	0.8	1.6	3.2	4.8	7.2	3.51
	13	5.6	5.6	6.4	4.8	3.2	0.8	0.8	0.8	0.8	1.6	4.8	1.6	3.24
	14	14.5	12.9	6.4	3.2	4.8	1.6	0.0	0.8	0.0	0.0	0.0	0.0	3.85
	15	3.2	8.0	8.9	6.4	1.6	0.0	0.8	0.8	0.0	0.0	0.0	0.0	1.84
	16	13.7	13.7	11.3	8.0	4.8	1.6	0.8	0.8	0.0	0.0	0.0	0.0	4.25
	17	12.1	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.58
	18	8.9	5.6	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.04
	19	10.5	4.8	3.2	4.8	1.6	1.6	3.2	1.6	0.8	0.0	0.8	0.0	2.81
	20	9.7	4.8	6.4	4.8	2.4	1.6	4.8	2.4	2.4	0.8	1.6	1.6	3.10
	21	10.5	8.0	3.2	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.18
	22	3.2	3.2	2.4	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.90
	23	3.2	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.80
	24	3.2	8.0	8.0	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.27
	25	3.2	5.6	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.77
	26	14.5	10.5	7.2	11.3	8.9	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.12
	27	14.5	16.1	12.1	8.0	2.4	1.6	1.6	1.6	0.0	0.0	0.0	0.0	3.95
	28	11.3	11.3	11.3	12.1	8.0	3.2	0.0	0.0	0.0	0.0	0.8	0.8	3.92
	29	11.3	9.7	8.9	8.0	3.2	1.6	0.0	0.0	0.0	0.8	0.0	0.0	2.55
	30	1.6	1.6	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.20
Hourly Means.		8.73	8.15	6.97	5.89	3.21	1.39	0.91	0.91	0.43	0.29	0.61	0.61	2.68

CLOUDS.

CLEAR = 0. — OVERCAST = 10

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	9	9	10	8	9	10	10	7	6	5	6	5	—
	2	2	4	5	7	6	8	4	3	3	8	6	9	—
	3	8	5	9	5	7	9	10	9	10	9	9	8	—
	4	2	6	3	1	3	1	2	2	1	1	5	6	—
	5	6	4	5	6	6	5	7	3	4	6	8	7	—
	6	9	6	5	7	10	10	10	10	10	10	10	10	—
	7	5	4	4	3	7	10	10	10	10	10	8	8	—
	8	10	6	10	9	10	10	9	4	3	3	4	6	—
	9	10	10	10	8	10	9	10	8	8	9	8	5	—
	10	10	10	9	10	10	7	9	9	9	8	9	9	—
	11	4	6	6	9	10	10	10	10	10	10	10	10	—
	12	7	4	3	2	7	9	4	5	5	4	9	9	—
	13	10	10	6	3	9	10	10	10	10	9	9	10	—
	14	10	10	10	10	10	10	10	8	7	5	10	8	—
	15	10	10	10	10	10	10	6	7	7	7	9	9	—
	16	4	4	3	6	10	10	10	10	10	10	10	10	—
	17	9	10	10	10	10	8	10	10	10	10	10	10	—
	18	2	2	3	5	10	9	10	9	8	8	10	10	—
	19	10	10	10	10	10	10	10	9	9	10	10	10	—
	20	7	7	10	10	10	7	9	9	10	9	10	10	—
	21	5	8	10	6	9	5	7	2	2	6	6	7	—
	22	2	1	2	2	6	9	10	7	7	6	5	8	—
	23	6	5	2	2	2	3	4	1	1	1	0	1	—
	24	3	2	3	1	1	1	1	2	3	6	4	2	—
	25	0	1	1	2	1	0	1	1	1	2	3	3	—
	26	9	3	0	0	2	1	0	0	0	6	1	6	—
	27	3	2	6	8	7	5	1	2	4	4	4	7	—
	28	2	1	0	0	3	2	3	2	2	3	4	3	—
	29	8	6	2	4	9	8	9	9	9	9	8	7	—
	30	10	10	7	10	10	10	8	9	9	9	9	10	—
														—
Hourly Means.		6.4	5.9	5.8	5.8	7.5	7.2	7.1	6.2	6.3	6.8	7.1	7.4	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	5	4	1	1	2	2	2	2	1	1	3	2	5.0
	2	2	0	6	10	10	10	10	10	10	9	8	9	6.6
	3	8	10	8	7	8	7	8	9	7	7	8	6	8.0
	4	2	2	3	10	10	10	10	10	10	7	4	3	4.8
	5	10	9	5	8	10	10	10	10	10	10	10	6	7.3
	6	10	9	9	9	9	9	9	10	10	9	9	9	9.1
	7	5	5	10	10	10	10	10	10	9	10	10	8	8.2
	8	7	9	7	10	10	10	10	10	10	10	10	10	8.2
	9	6	9	8	9	9	10	10	10	10	10	10	10	9.0
	10	5	4	2	3	2	5	8	9	5	4	3	2	6.7
	11	10	10	10	9	8	7	5	9	5	4	4	2	7.8
	12	7	9	10	10	10	10	9	6	9	10	9	9	7.3
	13	10	10	10	10	10	10	10	9	10	10	10	10	9.4
	14	7	9	9	10	10	10	10	9	10	10	10	10	9.3
	15	10	9	7	9	8	9	9	10	10	10	10	7	8.9
	16	10	10	10	8	7	7	2	3	2	9	5	7	7.4
	17	10	10	10	10	10	10	9	9	9	3	7	4	9.1
	18	10	10	10	10	10	10	10	10	10	10	10	10	8.6
	19	10	10	7	10	10	9	10	10	10	10	10	10	9.8
	20	9	10	5	10	3	5	9	8	5	6	5	7	7.9
	21	7	6	7	6	7	6	4	5	5	3	2	2	5.5
	22	6	7	9	10	10	6	7	7	7	7	6	3	6.3
	23	4	3	2	1	2	2	1	1	0	1	0	0	1.9
	24	4	4	3	4	5	6	1	1	1	1	3	1	2.6
	25	3	2	0	0	0	6	3	3	2	9	4	8	2.3
	26	8	6	2	1	1	1	1	0	0	0	2	2	2.2
	27	0	1	0	0	0	6	2	2	1	8	3	1	3.2
	28	3	2	2	2	2	2	1	9	10	10	6	9	3 5
	29	5	7	6	7	8	9	9	9	10	10	10	9	7.8
	30	10	10	10	10	10	10	9	10	8	9	6	7	9.2
Hourly Means.		6.8	6.9	6.3	7.1	7.0	7.5	6.9	7.3	6.9	7.2	6.6	6.1	6.75

DURATION OF SUNSHINE.

NOVEMBER.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	10	7	10	10	9	8	10	10	9	7	8	5	8	10	10	6	8.6
2	10	8	2	8	5	7	7	8	4	10	10	10	9	8	8	4	7.4
3	0	0	0	0	8	4	1	3	6	9	4	6	6	4	5	7	3.9
4	10	10	10	10	10	8	8	5	8	8	10	10	10	10	9	0	8.5
5	10	7	6	7	8	5	9	7	6	0	0	0	0	7	9	5	5.4
6	0	0	0	0	0	0	1	0	0	0	0	0	3	3	0	0	0.4
7	0	0	0	0	0	5	6	5	4	7	6	7	6	1	0	0	2.9
8	9	9	10	10	10	8	7	9	4	6	0	0	0	5	8	1	6.0
9	9	7	6	4	7	5	9	9	7	9	7	0	0	0	1	0	5.0
10	0	0	7	3	6	2	1	0	1	4	8	7	9	9	8	7	4.5
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0.1
12	4	8	9	9	7	1	3	6	4	4	4	0	0	1	0	1	3.8
13	0	0	1	6	3	2	3	3	0	0	1	0	0	0	0	0	1.2
14	3	4	7	2	9	8	9	3	8	9	4	0	0	0	0	0	4.1
15	10	0	8	8	9	8	5	3	0	0	6	6	6	6	7	1	5.2
16	1	0	0	3	4	6	4	5	1	1	1	1	2	1	2	3	2.2
17	3	1	0	0	1	2	0	0	1	2	0	0	0	0	0	0	0.6
18	1	1	5	4	9	4	3	0	0	0	0	0	0	0	0	0	1.7
19	4	3	4	5	1	2	1	0	0	0	0	0	1	2	0	1	1.5
20	0	0	0	0	1	0	0	0	0	4	1	1	2	7	7	0	1.4
21	8	7	9	8	6	7	7	4	4	5	8	7	8	6	7	7	6.8
22	9	9	4	6	9	9	8	7	4	6	7	5	4	5	4	6	6.4
23	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	9	9.8
24	9	7	9	9	8	8	9	9	10	10	9	9	10	9	9	7	8.8
25	10	10	10	9	10	9	7	6	6	4	8	8	9	10	10	10	8.5
26	10	10	8	5	7	9	8	8	9	3	2	6	6	5	9	9	7.1
27	8	7	9	8	9	9	8	8	7	9	9	9	9	9	9	9	8.5
28	10	10	10	9	9	8	7	7	9	10	10	10	10	10	10	7	9.1
29	8	6	8	4	7	8	10	8	6	5	10	9	10	10	5	10	7.8
30	1	1	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0.6
Means.	5.6	4.7	5.4	5.2	6.1	5.5	5.5	4.8	4.3	4.7	4.8	4.2	4.6	5.0	4.9	3.7	4.94

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

	Mean Batavia Time.	7^{h}30 A. M.	8	8^{h}30	9	9^{h}30	10	10^{h}30	11	11^{h}30	12	0^{h}30 P. M.	1	1^{h}30	2	2^{h}30	3	3^{h}30	4	4^{h}30
NOVEMBER.	1	30.9	37.9	41.5	42.4	49.4	49.4	48.4	54.4	54.4	48.4	54.4	53.4	44.8	42.0	49.8	48.9	47.4	32.8	31.0
	2	33.6	43.5	46.7	47.4	43.4	52.6	48.1	50.6	50.6	53.4	50.3	52.9	51.1	50.5	50.4	50.4	47.4	31.9	31.3
	3	24.4	29.5	28.0	27.6	27.4	37.1	48.9	46.2	43.6	48.2	46.9	49.6	44.9	50.4	45.6	35.9	46.8	34.9	30.3
	4	41.1	47.4	47.0	49.9	50.6	51.4	53.0	52.1	54.0	42.9	53.7	51.6	52.0	50.8	50.0	48.4	42.0	27.0	26.1
	5	40.4	46.2	47.4	43.4	47.1	50.6	51.7	50.0	49.4	51.4	40.2	34.0	34.2	35.4	36.1	45.5	41.4	35.7	34.1
	6	25.9	29.4	35.7	35.4	36.9	39.4	40.1	42.4	46.6	42.4	39.9	29.4	—	33.8	38.4	35.4	32.5	30.3	29.2
	7	26.2	29.9	32.6	34.9	37.0	39.9	43.1	48.9	49.6	50.1	47.9	49.4	47.4	47.4	47.9	35.4	35.4	30.3	24.9
	8	28.2	38.9	47.9	49.1	50.4	52.5	52.1	51.6	51.8	49.3	44.4	39.9	31.1	29.4	32.4	45.6	41.6	28.1	26.8
	9	32.7	40.8	43.2	47.9	42.6	41.6	48.9	49.4	53.2	51.1	47.5	51.1	46.4	31.6	32.2	34.1	33.9	30.1	29.0
	10	27.4	30.4	32.0	36.8	40.0	40.9	43.9	41.6	42.9	40.9	42.4	46.0	46.4	48.4	50.1	47.6	46.2	32.2	30.3
	11	—	26.9	—	—	28.9	—	—	—	26.0	29.9	30.8	32.9	31.4	—	31.9	34.9	33.4	31.4	29.8
	12	39.7	43.4	42.2	48.9	51.6	48.0	44.2	44.7	51.0	44.4	48.4	44.5	43.0	39.9	40.0	37.9	39.4	29.9	29.9
	13	—	—	32.2	35.4	38.5	47.7	45.9	42.6	44.3	43.4	47.4	40.4	39.6	36.2	33.7	34.0	30.4	28.9	27.5
	14	29.1	41.8	40.2	4 .4	44.9	49.9	49.8	—	39.3	38.8	50.9	46.9	42.9	36.1	34.9	34.1	33.0	31.3	30.0
	15	37.3	41.4	40.5	44.9	48.0	49.8	49.9	44.4	44.9	37.4	—	34.4	41.4	43.6	43.4	42.5	36.4	30.7	28.1
	16	30.9	35.4	34.4	33.9	35.3	42.5	43.1	45.8	46.9	41.4	39.9	39.9	39.6	40.0	40.3	37.9	36.8	33.1	32.9
	17	31.9	36.2	37.7	34.7	38.5	38.4	43.9	47.2	40.8	—	38.4	37.4	—	—	—	—	—	—	23.9
	18	28.4	33.0	36.1	39.0	45.5	50.4	47.9	45.9	48.5	—	33.4	—	27.4	29.9	26.0	23.5	22.9	—	—
	19	30.6	33.9	37.9	45.0	43.3	47.1	44.0	46.1	40.1	—	30.9	—	—	34.2	39.2	36.4	32.9	30.4	30.0
	20	30.5	33.9	33.9	33.3	36.2	39.4	46.3	40.4	43.4	39.5	39.7	47.9	40.0	29.0	32.6	43.5	43.4	30.9	29.4
	21	32.9	46.4	46.0	49.9	50.3	46.4	49.3	47.9	48.9	47.3	44.9	51.8	53.4	49.9	49.4	46.9	41.7	33.0	31.4
	22	28.6	36.8	43.8	51.4	40.0	49.5	46.0	53.4	50.5	48.4	45.4	48.9	51.9	43.9	47.9	40.6	45.4	35.4	31.1
	23	41.7	46.1	47.5	49.6	50.3	51.4	52.0	52.9	53.1	53.3	53.7	50.3	53.4	53.4	50.6	51.0	45.4	33.8	32.0
	24	42.0	46.4	45.0	48.3	51.4	51.8	48.3	53.7	52.4	53.2	52.3	53.6	52.9	53.0	51.6	48.3	44.2	31.6	30.4
	25	42.2	45.4	47.6	48.9	51.0	53.4	53.6	55.8	53.1	45.9	50.3	42.8	51.4	46.4	49.8	49.1	43.4	31.6	30.4
	26	40.4	46.4	47.7	51.9	42.9	48.4	51.0	53.4	49.1	54.4	55.6	42.4	41.9	47.9	44.4	45.9	43.4	31.6	30.4
	27	41.6	45.4	47.2	49.5	51.9	51.4	52.7	51.6	52.6	48.7	52.7	52.4	53.6	54.4	49.4	47.4	49.0	32.9	31.3
	28	40.6	46.1	47.9	50.4	51.9	51.1	51.2	50.8	49.0	53.4	51.6	52.6	52.0	52.0	49.9	48.9	42.8	33.0	30.9
	29	28.8	34.6	39.4	42.4	46.4	45.4	50.4	52.1	55.6	53.9	48.3	50.3	52.2	48.9	47.3	49.5	45.5	33.4	31.0
	30	32.4	36.3	38.9	39.4	34.9	38.9	38.2	48.4	39.4	—	27.0	29.9	32.4	32.9	35.4	34.6	32.0	29.8	29.1
	Means.	33.59	38.96	40.97	43.38	43.55	46.77	47.79	48.73	47.50	46.59	45.14	44.88	44.40	42.55	42.43	41.87	39.86	31.64	29.74

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	165	105	94	85	69	107	102	69	30	8	3	22	—
	2	176	140	121	96	74	88	77	41	14	19	17	223	—
	3	121	124	—	—	—	—	P N	217	30	52	28	14	—
	4	173	173	118	102	116	94	96	—	—	—	—	—	—
	5	143	146	—	—	—	121	94	8	30	11	19	83	—
	6	151	160	178	171	113	138	146	160	121	77	69	198	—
	7	129	143	132	124	121	96	96	99	77	36	8	8	—
	8	36	118	116	135	193	193	248	80	33	11	8	— 8	—
	9	—	—	—	—	—	198	184	129	44	28	3	11	—
	10	113	94	52	66	61	157	165	110	99	61	28	11	—
	11	239	198	162	184	N	25	N	P N	P N	P N	P N	176	—
	12	94	80	138	154	151	215	198	77	58	47	72	30	—
	13	47	44	74	154	132	151	181	99	102	63	63	74	—
	14	66	102	N	19	66	72	85	83	80	72	50	77	—
	15	116	127	176	160	143	154	171	176	94	63	41	77	—
	16	187	209	162	176	195	165	157	118	91	74	61	58	—
	17	96	77	72	72	72	107	110	102	85	66	69	P N	—
	18	102	105	80	99	118	118	121	88	99	55	50	P N	—
	19	28	50	33	— 55	41	135	162	206	138	44	44	— 3	—
	20	132	118	110	91	77	99	102	94	77	63	50	47	—
	21	85	74	83	72	110	102	83	22	22	17	17	6	—
	22	61	52	41	36	44	44	41	44	25	22	17	14	—
	23	66	39	44	44	55	77	44	28	30	19	19	11	—
	24	80	94	116	58	55	66	66	50	39	22	19	19	—
	25	80	85	74	58	44	61	66	66	47	25	17	14	—
	26	96	66	47	36	39	44	41	41	17	14	19	25	—
	27	63	55	50	33	36	55	63	39	19	17	25	— 6	—
	28	77	69	66	74	41	72	85	83	41	25	25	25	—
	29	47	47	36	36	55	44	61	94	63	33	22	25	—
	30	80	83	61	91	132	77	99	—	—	—	—	—	—
Hourly Means.		105.1	102.7	93.7	87.8	90.5	106.0	112.3	89.7	59.4	38.7	32.0	47.3	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	14	22	22	25	41	80	138	193	187	228	132	157	87.4
	2	0	19	8	P N	P N	P N	22	83	116	149	149	151	84.9
	3	22	33	30	36	55	77	107	146	178	206	215	173	98.1
	4	—	—	—	—	—	—	132	143	110	138	162	162	132.2
	5	165	17	41	116	P N	P N	P N	P N	P N	83	105	113	80.9
	6	P N	P N	94	44	80	107	176	154	132	132	138	124	130.1
	7	6	14	11	P N	P N	P N	P N	P N	P N	P N	154	72	78.0
	8	0	N	94	P N	P N	P N	P N	P N	—	—	—	—	89.8
	9	11	165	91	66	74	P N	P N	129	25	83	138	173	91.3
	10	39	3	8	6	19	69	143	204	165	195	193	206	94.5
	11	110	N	39	33	58	17	17	91	91	96	91	80	100.4
	12	47	— 14	52	52	72	80	124	171	138	74	66	63	93.3
	13	72	69	63	91	151	105	157	190	220	212	234	151	120.8
	14	83	129	83	193	P N	P N	P N	171	201	173	201	176	109.1
	15	96	66	96	171	91	149	P N	P N	107	107	146	190	123.5
	16	58	44	52	61	83	80	127	132	157	121	121	138	117.8
	17	P N	P N	P N	P N	162	129	149	154	157	121	146	118	108.6
	18	P N	P N	P N	P N	P N	171	165	165	36	105	96	74	102.6
	19	17	91	58	55	66	116	160	14	168	160	187	129	85.2
	20	39	N	52	44	72	85	140	118	94	102	91	83	86.1
	21	— 6	0	19	19	19	30	44	58	96	116	105	63	52.3
	22	11	11	8	11	22	33	61	77	63	74	88	61	40.0
	23	11	8	14	17	22	25	58	74	69	91	83	121	44.5
	24	19	22	11	19	28	44	61	129	113	113	118	113	61.4
	25	8	8	14	19	22	41	116	146	110	118	107	110	60.7
	26	17	17	33	22	28	36	80	110	102	105	72	77	49.3
	27	19	17	8	19	83	160	66	55	66	55	50	72	46.6
	28	25	11	19	14	25	52	91	124	138	52	63	— 88	50.4
	29	22	22	25	P N	P N	P N	P N	61	77	63	69	69	48.6
	30	P N	88	28	25	33	66	118	129	91	143	171	102	89.8
Hourly Means.		36.2	37.5	39.7	50.3	59.4	79.6	106.6	123.9	118.8	122.0	127.3	111.5	82.42

BAROMETRIC PRESSURE.

BAROMETER AT 0°.C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	8.50	8.31	7.78	7.69	7.80	8.32	8.61	8.85	8.99	8.77	8.04	7.56	—
	2	7.98	7.71	7.39	7.61	8.02	8.57	8.85	9.26	9.28	9.10	8.72	8.05	—
	3	8.44	8.18	7.88	8.00	8.71	9.40	9.81	10.44	10.66	10.70	10.36	10.08	—
	4	9.74	9.49	9.25	9.49	9.55	9.97	10.39	10.94	10.93	10.60	10.21	9.88	—
	5	9.05	8.81	8.65	8.51	9.04	9.40	10.24	10.33	10.38	9.99	9.46	8.64	—
	6	9.26	8.79	8.90	8.93	9.15	9.07	9.40	9.71	9.69	9.65	9.33	8.98	—
	7	9.40	8.76	8.13	8.10	8.36	9.12	9.66	9.96	10.46	10.45	9.55	9.15	—
	8	9.14	8.95	8.51	8.69	9.05	9.66	10.56	10.76	11.20	10.70	9.89	9.37	—
	9	9.60	9.50	9.11	8.97	8.90	9.61	10.37	10.82	10.51	10.64	10.45	9.79	—
	10	8.84	8.41	8.52	8.27	8.67	9.07	9.66	10.13	10.28	10.30	9.68	9.13	—
	11	9.26	8.70	8.32	7.90	7.92	8.34	8.94	9.36	9.60	9.29	8.55	8.05	—
	12	8.14	7.76	7.36	7.14	7.45	8.10	8.50	8.98	8.90	8.71	8.55	8.21	—
	13	7.98	7.74	6.92	6.83	7.35	8.03	8.33	8.59	9.06	8.62	8.07	7.33	—
	14	7.69	7.20	7.16	7.51	7.70	8.05	8.55	8.85	9.03	9.10	8.56	7.99	—
	15	8.40	7.80	7.68	7.60	7.81	8.22	9.07	9.40	9.75	9.69	9.33	8.80	—
	16	8.50	8.11	8.11	8.00	8.31	8.91	9.21	9.52	9.71	9.28	8.96	8.25	—
	17	8.33	8.14	8.00	7.91	8.21	8.56	9.42	9.84	10.01	9.96	9.20	8.73	—
	18	10.05	9.24	8.64	8.16	8.61	9.38	9.92	10.17	10.63	10.39	9.89	9.29	—
	19	9.44	8.96	8.78	8.50	8.87	9.56	10.11	10.47	10.71	10.74	10.42	10.05	—
	20	10.06	9.73	9.35	9.27	9.87	10.02	10.52	11.04	10.71	10.63	9.96	9.49	—
	21	9.28	9.28	8.70	8.63	9.06	9.44	9.76	10.07	10.41	10.25	9.84	9.28	—
	22	8.27	8.04	7.96	8.03	8.16	8.42	9.15	9.67	10.22	10.01	9.47	8.87	—
	23	9.36	9.39	8.96	8.77	9.24	10.09	10.82	10.95	11.65	11.81	11.70	10.76	—
	24	10.49	10.25	9.50	9.41	9.56	9.87	10.51	10.96	11.59	11.76	11.10	10.65	—
	25	9.91	9.66	9.42	9.02	9.29	9.29	9.89	10.21	10.30	10.41	9.84	9.34	—
	26	9.16	9.09	8.66	8.67	9.09	9.70	10.12	10.24	10.42	10.27	9.81	9.45	—
	27	8.93	8.55	8.50	8.66	8.66	9.06	9.25	9.92	10.22	10.07	9.61	9.24	—
	28	9.75	9.10	9.11	9.07	9.17	9.63	9.98	10.62	10.99	10.87	10.61	10.26	—
	29	9.75	9.61	9.29	9.11	9.26	9.40	9.96	10.19	10.19	10.14	9.66	9.27	—
	30	9.37	9.02	8.75	8.81	8.92	9.35	10.15	10.50	10.85	10.65	10.23	9.66	—
	31	8.66	8.34	8.11	8.22	8.59	9.20	9.82	9.94	9.85	9.75	9.34	9.04	—
Hourly Means.		9.06	8.73	8.43	8.37	8.66	9.12	9.66	10.02	10.23	10.11	9.63	9.12	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	7.21	6.12	6.14	6.13	6.68	7.48	7.91	8.28	8.72	8.85	8.73	8.50	7.92
	2	7.56	7.22	6.62	6.42	6.36	6.93	7.82	8.63	8.85	9.19	9.24	8.93	8.10
	3	9.52	8.98	8.52	8.42	8.63	9.36	9.67	10.00	10.60	10.66	10.39	9.94	9.47
	4	9.27	8.72	8.27	7.87	7.91	8.36	9.12	9.62	9.96	10.20	10.08	9.70	9.56
	5	7.79	7.39	6.86	6.73	7.19	7.83	8.87	9.26	9.58	10.06	9.94	9.69	8.90
	6	8.53	7.92	7.18	7.60	7.97	8.79	9.02	9.60	10.06	10.20	10.24	9.73	9.07
	7	8.53	7.68	7.30	7.13	7.63	8.48	9.42	10.24	10.65	10.33	10.17	9.83	9.10
	8	8.83	7.96	7.68	8.38	8.69	9.50	10.48	10.68	10.74	10.60	10.48	10.00	9.60
	9	9.40	8.52	7.82	7.57	7.71	8.09	8.49	9.35	9.68	9.93	10.35	9.81	9.37
	10	8.47	7.83	7.25	7.10	7.37	7.95	8.59	9.37	9.74	10.04	10.24	9.83	8.95
	11	7.78	6.97	6.41	6.07	6.47	6.92	7.40	8.05	8.50	8.69	8.67	8.48	8.11
	12	7.48	6.61	6.36	5.96	5.98	6.43	7.43	8.14	8.69	8.90	9.06	8.36	7.80
	13	6.43	5.95	5.88	5.40	5.95	6.44	7.48	7.73	7.99	8.18	7.99	7.71	7.42
	14	7.83	7.01	6.57	6.67	7.28	7.84	8.38	9.07	9.19	9.16	9.28	8.79	8.10
	15	8.17	7.72	7.54	7.79	7.71	8.09	8.74	9.28	9.70	9.43	9.31	8.87	8.58
	16	7.98	7.43	6.93	6.92	7.18	7.76	8.48	9.20	9.27	9.09	9.24	9.06	8.48
	17	7.94	7.44	6.94	6.99	7.56	7.84	8.88	9.51	9.84	10.36	10.43	10.35	8.77
	18	8.98	8.42	7.87	7.80	8.09	8.79	9.04	9.61	10.21	10.58	10.18	9.75	9.32
	19	9.44	8.98	8.93	8,97	8.94	9.50	9.74	9.98	10.71	10.49	10.45	10.51	9.72
	20	9.08	8.33	8.04	7.89	8.10	8.60	9.53	9.89	10.27	10.39	10.39	9.76	9.62
	21	8.85	8.86	8.32	7.93	8.13	8.56	9.00	8.91	9.04	9.01	9.19	8.56	9.10
	22	7.88	7.45	7.70	7.28	7.58	8.05	8.96	9.49	9.94	10.35	10.38	10.00	8.81
	23	10.23	9.70	9.08	9.11	9.49	10.07	10.46	10.91	11.22	11.77	11.52	10.74	10.33
	24	10.83	9.69	8.81	8.61	8.79	9.08	9.90	10.58	10.60	10.86	11.02	10.64	10.21
	25	8.54	7.89	7.04	6.73	7.32	7.81	8.58	8.92	9.45	9.98	9.85	9.85	9.11
	26	9.18	8.58	8.40	8.11	8.17	8.82	9.16	9.63	9.75	9.96	9.72	9.57	9.32
	27	8.71	8.05	7.78	7.45	7.56	7.86	9.14	9.66	10.21	10.49	10.84	10.39	9.12
	28	9.73	9.15	8.72	8.27	8.39	8.84	8.89	9.44	10.10	10.45	10.20	9.73	9.63
	29	8.62	8.25	7.49	7.53	8.09	8.19	8.56	8.95	9.41	9.64	9.79	9.60	9.16
	30	8.67	7.92	7.27	7.24	7.04	7.64	8.03	8.39	8.76	8.90	8.96	8.93	8.92
	31	8.60	8.09	7.63	7.49	8.08	8.61	8.80	9.33	9.70	9.78	9.88	9.65	8.94
Hourly Means.		8.58	7.96	7.53	7.41	7.68	8.21	8.84	9.35	9.71	9.89	9.88	9.52	8.99

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	75.2	75.2	75.0	75.0	74.8	74.6	75.7	79.0	82.0	83.4	82.8	83.7	—
	2	75.0	74.4	74.0	73.1	73.0	72.6	74.9	78.3	82.0	84.0	84.3	85.7	—
	3	76.4	76.2	75.8	75.4	75 2	75.3	77.1	80.0	82.4	83.3	82.6	81.2	—
	4	75.6	74.8	74.3	73.9	73.2	73.0	74.4	77.7	81.0	83.6	85.8	80.3	—
	5	76.7	75.7	75.0	75.0	74.7	74.5	76.1	78.2	78.1	80.7	83.7	86.0	—
	6	75.6	75.0	74.8	74.4	74.0	73.8	75.8	79.5	81.6	82.7	84.0	84.6	—
	7	74.6	74.4	74.3	74.0	73.6	73.4	74.2	77.4	81.2	83.4	85.3	84.1	—
	8	76.1	76.1	75.5	75.3	75.1	75.1	71.6	73.8	78.2	81.5	82.4	85.3	—
	9	74.0	73.9	73.7	73.1	72.9	73.0	74.2	76.0	79.9	80.3	82.1	83.7	—
	10	75.0	74.7	74.5	74.5	73.9	73.9	75.5	78.5	80.7	82.8	83.9	85.0	—
	11	74.9	74.4	74.0	73.8	73.2	73.2	74.8	77.5	80.8	83.9	85.5	87.0	—
	12	76.6	75.9	75.5	75.6	75.6	75.6	76.2	77.9	80.8	82.8	83.5	84.6	—
	13	77.3	77.1	76.6	76.1	75.6	75.3	76.4	78.6	81.1	84.1	86.6	88.1	—
	14	74.5	74.3	73.9	73.6	73.4	73.2	74.7	77.2	79.7	81.3	83.0	84.0	—
	15	75.6	75.2	74.9	74.5	74.5	74.2	75.0	76.5	77.6	79.8	81.2	80.9	—
	16	74.1	74.6	74.8	74.6	74.2	74.4	75.1	76.7	79.0	81.8	81.8	84.0	—
	17	75.6	75.2	74.9	75.2	74.9	74.7	75.0	76.4	78.0	79.0	81.0	82.1	—
	18	73.1	72.5	72.1	71.9	71.9	72.3	73.4	76.1	79.9	82.0	82.7	83.6	—
	19	75.2	75.0	74.8	74.0	73.5	73.1	74.1	77.2	81.0	83.2	83.0	84.8	—
	20	75.3	74.7	74.1	74.1	74.1	74.0	75.4	77.2	79.8	81.1	84.0	85.1	—
	21	77.0	76.2	75.0	74.3	74.0	73.9	74.6	76.3	78.9	79.7	81.1	82.6	—
	22	73.2	72.9	72.0	71.5	71.5	71.7	72.3	74.3	77.0	81.1	82.9	84.3	—
	23	74.3	74.1	73.6	73.4	73.6	73.9	74.0	75.0	76.1	76.2	75.1	74.5	—
	24	74.0	73.6	73.6	73.7	73.7	73.9	75.1	77 0	78.6	76.0	76.9	79.0	—
	25	75.1	74 7	74.3	74.3	74.0	74.0	74.8	77.0	79.3	81.5	82.5	84.0	—
	26	75.7	74.5	74.2	74.0	73.6	73.2	73.0	73.5	75.7	77.3	79.0	81.1	—
	27	72.0	72.0	71.9	71.8	72.3	72.0	73.0	74.9	77.0	79.0	79.4	76.5	—
	28	74.3	74.0	73.7	73.3	73.0	73.0	73.4	74.8	77.1	79.8	79.6	81.8	—
	29	76.0	75.4	74.6	74.1	73.6	73.1	74.0	76.1	79.6	81.1	84.2	85.4	—
	30	74.0	73.5	73.0	72.5	71.5	71.1	72.3	75.0	77.7	80.3	81.5	82.1	—
	31	73.8	73.2	72.7	73.0	73.0	73.0	73.7	76.4	79.1	81.7	82.3	81.6	—
Hourly Means.		75.03	74.63	74.23	73.97	73.71	73.61	74.51	76.77	79.38	81.24	82.38	83.12	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	84.0	83.5	84.0	82.4	82.0	78.0	77.0	76.6	76.0	76.3	75.7	75.2	78.63
	2	85.5	84.8	84.8	84.5	84.0	82.7	81.7	80.6	79.7	78.2	77.3	77.0	79.67
	3	85.3	85.7	85.4	84.9	84.1	83.1	80.5	79.3	78.6	77.8	76.8	76.0	79.93
	4	83.5	84.6	84.3	83.6	83.1	82.4	80.7	79.7	79.3	78.2	77.4	77.0	79.23
	5	84.6	81.5	81.3	81.7	81.9	81.3	80.0	79.0	78.6	77.5	76.8	76.1	78.95
	6	85.1	84.1	82.7	82.0	82.3	80.8	79.0	77.8	76.7	75.8	75.5	75.1	78.86
	7	81.9	82.7	84.7	84.2	83.0	82.0	79 8	78.2	77.5	77.0	76 8	76.2	78.91
	8	85.6	85.1	83.1	81.1	81.1	80.6	77.6	75.0	74.7	74.2	74.1	73.9	78.00
	9	83.3	81.7	82.1	79.3	79.6	78.6	78.2	77.4	76.9	76.3	75.6	75.4	77.55
	10	85.2	85.3	85.2	84.8	83.8	82.9	81.1	79.4	77.8	77.0	76.1	75.1	79.44
	11	85.5	86.2	86.0	85.0	83.0	80.3	79.1	78.2	77.4	76.8	76.5	76.8	79.33
	12	86.0	85.6	85.8	84.8	84.6	83.1	82.2	81.2	80.1	79.4	78.4	77.9	80.40
	13	87.7	83.7	78.0	78.1	78.4	78.4	78.0	77.7	77.1	75.7	75.1	75.0	78.99
	14	82.7	81.4	81.2	81.6	80.9	77.4	76.4	76.7	76.4	76.2	76.0	75.9	77.73
	15	81.7	81.3	77.7	78.9	78.4	77.3	76.3	75.8	75.5	75.1	75.0	74.6	76.98
	16	84.4	81.9	81.5	80.4	80.0	78.9	78.0	78.0	77.4	76.6	76.0	75.5	78.07
	17	82.5	81.0	82.0	81.4	77 5	77.1	77.1	76.8	76.6	75.8	75.0	73.9	77.45
	18	83.8	84.3	83.6	83.1	82.1	81.2	80.5	79.5	78.9	77.1	76.5	75.7	78.24
	19	84.7	83.4	80.8	79.4	78.5	78.2	77.2	77.0	76.6	76.2	75.8	75.4	78.00
	20	84.2	81.5	78.2	79.7	79.0	78.3	78.1	77.9	77.6	77.6	77.3	77.0	78.14
	21	78.0	75.4	76.7	77.5	77.0	76.2	75.7	75.4	74.7	74.3	73.7	73.5	76.32
	22	84.9	83.3	76.6	76.0	77.0	77.7	77.0	76.3	76.1	75.8	75.2	75.0	76.48
	23	76.0	78.9	79.9	75.0	75.0	75.2	74.7	74.8	74.8	74.8	74.6	74.0	75.06
	24	75.2	74.6	77.2	79.0	78.6	77.6	76.8	76.5	76.0	76.0	75.9	75.5	76.00
	25	84.8	83.8	83.8	83.1	82.3	77.7	77.4	77.0	76.8	76.6	76.2	75.9	78.37
	26	77.1	78.2	75.8	74.0	73.3	72.8	72.1	72.0	72.0	72.1	72.1	72.1	74.52
	27	77.4	78.6	76.0	77.0	79.2	78.0	76.1	75.0	74.7	74.7	74.6	74.4	75.31
	28	81.7	83.4	82 9	82.2	81.7	80.3	79.0	77.9	77.5	77.5	76.9	76.3	77.71
	29	85.3	80.5	81.3	80.4	78.2	76.6	76.3	76.0	75.3	74.6	74.2	73.8	77.49
	30	83.3	82.2	81.8	77.3	78.8	77.3	77.4	76.7	76.4	75.5	75.3	74.7	76.72
	31	82.7	82.2	82.4	81.2	80.5	80.0	79.0	78.6	78.0	77.6	77.2	77.0	77.91
Hourly Means.		83.02	82.27	81.51	80.76	80.29	79.10	78.06	77.35	76.83	76.27	75.79	75.38	77.88

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	947	947	956	956	947	939	923	824	758	705	724	699	—
	2	913	938	921	937	937	955	913	799	687	634	656	647	—
	3	931	931	940	947	939	939	900	834	731	699	703	691	—
	4	905	922	930	921	937	920	896	829	769	687	598	804	—
	5	924	931	939	939	947	947	923	893	845	827	693	662	—
	6	931	947	939	947	947	938	898	803	764	724	715	717	—
	7	913	921	921	930	929	938	930	867	756	679	647	681	—
	8	923	915	939	939	939	939	918	930	830	777	779	667	—
	9	956	965	965	964	964	964	956	915	811	797	772	706	—
	10	956	956	947	947	956	956	948	902	805	746	661	639	—
	11	913	930	930	929	937	937	904	820	761	667	609	592	—
	12	899	923	931	931	923	914	890	852	733	703	686	644	—
	13	883	891	899	915	923	939	891	846	769	708	657	614	—
	14	913	930	930	947	956	955	947	900	803	784	739	707	—
	15	957	957	956	947	947	939	947	916	860	803	791	769	—
	16	878	862	871	871	887	896	897	866	808	742	728	662	—
	17	923	922	947	914	897	888	863	841	813	785	761	708	—
	18	929	946	946	946	946	936	938	890	752	736	696	679	—
	19	888	897	913	930	938	946	921	8.9	719	705	697	664	—
	20	922	930	947	947	947	956	931	875	817	769	673	670	—
	21	900	873	871	896	938	956	947	924	839	795	748	738	—
	22	929	929	955	954	954	955	955	904	859	791	760	688	—
	23	939	921	938	946	956	938	956	939	906	931	947	930	—
	24	956	956	938	938	947	947	922	867	854	906	907	886	—
	25	897	904	913	913	912	921	879	851	801	741	738	707	—
	26	824	862	896	921	947	946	946	938	881	875	816	748	—
	27	946	946	964	964	946	955	946	905	859	823	886	906	—
	28	921	930	947	956	955	955	956	922	859	773	772	700	—
	29	890	905	913	930	920	911	887	849	787	734	701	603	—
	30	938	956	964	955	954	954	964	914	820	745	742	722	—
	31	938	946	955	946	946	955	956	915	816	686	682	742	—
Hourly Means.		919	925	933	936	939	940	924	876	802	757	732	709	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	694	719	728	772	778	844	883	874	889	899	898	914	842
	2	672	696	703	682	721	752	784	834	848	893	907	924	806
	3	609	617	634	670	694	739	774	808	837	852	866	889	799
	4	726	709	681	719	746	772	835	870	886	901	916	924	825
	5	689	836	820	776	784	805	871	902	893	900	899	906	856
	6	698	701	759	757	744	797	838	836	850	872	889	897	830
	7	792	738	664	701	732	778	840	861	875	907	916	931	827
	8	680	731	774	888	827	872	949	897	913	887	947	947	867
	9	767	784	778	902	918	933	942	941	940	940	957	957	896
	10	659	653	607	651	720	759	790	816	860	875	890	905	817
	11	679	669	694	724	752	788	800	836	867	882	906	899	809
	12	611	647	636	670	669	703	764	798	818	840	869	876	789
	13	624	761	907	925	942	942	942	900	891	889	897	897	852
	14	759	806	806	792	857	883	906	906	915	923	948	948	873
	15	763	806	836	870	877	851	833	881	905	880	879	879	877
	16	688	736	763	796	795	822	868	876	892	891	906	922	830
	17	716	783	729	748	875	900	916	907	866	872	888	921	849
	18	646	635	678	690	742	776	811	855	869	804	833	856	814
	19	683	691	774	793	829	860	874	899	915	923	931	939	840
	20	694	791	908	910	918	933	925	884	900	900	891	907	873
	21	852	930	916	884	891	915	915	905	922	921	903	911	887
	22	684	719	841	898	924	908	932	948	957	948	957	922	886
	23	931	847	781	913	956	956	947	947	947	947	956	956	930
	24	922	922	900	863	838	860	850	890	889	873	898	905	901
	25	670	621	660	712	779	900	883	883	866	866	882	889	825
	26	924	885	898	930	920	910	928	936	928	928	928	928	902
	27	892	869	923	891	794	814	857	905	922	930	930	930	904
	28	720	692	697	722	742	781	831	852	875	907	916	874	844
	29	691	856	783	804	821	899	940	948	947	947	947	956	857
	30	698	737	736	916	854	941	924	940	948	948	947	922	881
	31	724	694	647	705	716	751	838	877	901	907	916	924	837
Hourly Means.		728	751	763	796	811	843	871	884	895	898	910	915	852

DIRECTION OF THE WIND.

DECEMBER.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
1	C	C	C	C	C	S	S	S	ESE	E	N	NNE
2	C	C	C	C	C	C	S	S	SE	SE	NE	NNE
3	C	C	C	C	NNE	NNE	NNE	NE	E	E	NNE	NE
4	C	C	C	C	C	SW	SW	SW	SW	SSE	E	NNE
5	C	C	C	C	C	C	C	NNE	N	N	ENE	ENE
6	C	C	C	C	C	C	NNW	S	S	E	NE	NE
7	C	C	C	C	C	C	C	SSW	SW	NE	NE	NNE
8	C	C	C	C	C	N	N	C	N	ENE	E	ESE
9	C	C	C	C	C	C	C	C	E	ENE	E	ENE
10	C	C	C	C	C	C	NE	ENE	ESE	ESE	E	NE
11	C	C	C	C	C	C	C	C	C	SSW	NNW	WSW
12	C	C	C	C	C	C	C	C	W	SW	N	NNW
13	C	C	C	C	C	C	NW	NW	NNW	SW	WNW	WNW
14	C	C	C	C	C	C	C	C	S	S	SW	NNE
15	C	C	C	C	C	C	C	WNW	W	NW	NW	NW
16	C	SW	W	W	WNW	W	W	W	W	W	NW	NW
17	W	C	W	W	W	W	W	WNW	W	W	WNW	NW
18	C	SW	SW	SSW	C	SSW	SSW	SSW	NW	W	NW	NW
19	C	C	C	C	C	C	C	NW	W	NW	NW	N
20	C	C	C	WNW	C	C	C	WNW	NW	NW	WNW	NW
21	NW	WNW	W	WNW	C	C	WNW	WNW	WNW	WNW	NW	WNW
22	SW	C	C	SW	C	C	C	W	WNW	W	NW	NW
23	NW	NW	C	C	NW	NW	NW	W	SW	SW	NW	NW
24	C	C	WSW	WSW	C	C	WSW	WSW	W	SSW	SW	SW
25	W	W	W	C	C	W	W	W	NW	WNW	NW	NW
26	WNW	NW	NW	NW	C	C	NW	W	WNW	W	W	WNW
27	NW	WNW	C	WNW	WNW	C	WNW	WNW	W	W	WNW	NW
28	C	C	C	C	C	C	C	WSW	WNW	WNW	NW	WNW
29	C	C	C	C	C	C	NW	WNW	W	NW	W	NW
30	C	C	C	C	C	C	C	SSW	NW	NNW	NW	NNW
31	C	C	C	C	C	NNW	NNW	C	NNW	NW	NW	N

DECEMBER.

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
1	NE	N	N	N	NNW	SSW	SSW	S	C	C	C	C
2	NE	NNE	N	N	NE	NNE	NNE	C	C	C	C	C
3	N	NE	N	NE	NNE	N	SW	C	C	C	SW	C
4	NE	N	NE	NNE	NE	NE	C	C	C	C	C	C
5	N	NE	NNE	N	C	C	C	C	C	NW	C	NW
6	N	NNE	N	N	N	W	SSW	C	C	C	C	C
7	NE	NNE	NE	NNE	N	N	N	C	C	C	C	C
8	ENE	NE	N	N	NNE	C	SSW	SSW	C	C	C	C
9	E	SE	ENE	C	C	C	C	C	C	C	C	C
10	N	N	N	N	N	C	C	C	C	C	C	C
11	N	N	N	NNW	WSW	SSW	C	C	C	C	C	C
12	WSW	NE	NNE	N	NNW	C	NW	C	C	C	NW	C
13	W	SE	S	C	C	C	C	S	SE	SE	SE	SE
14	N	N	N	N	WSW	NW	C	C	C	C	C	C
15	NW	WSW	WNW	W	SSW	SSW	SSW	C	C	C	C	C
16	NNW	NNW	NNW	NW	W	C	C	C	C	C	C	C
17	NNW	NW	NNW	NW	SW	C	C	C	SW	SW	SW	SW
18	NNW	NNW	NNW	NW	NW	C	C	C	NW	NW	C	C
19	NNW	NNW	W	W	WNW	C	C	C	C	C	C	WNW
20	N	N	SSW	SSW	NW	C	NW	NW	NW	NW	C	C
21	SW	W	W	W	SW	C	C	C	C	SW	SW	C
22	NNW	NW	NW	C	NW	NW	C	C	C	C	NW	NW
23	NW	NW	NW	SW	C	C	C	SW	C	C	C	C
24	WNW	NW	NW	W	W	W	W	C	W	W	W	WNW
25	NW	NW	NW	N	NW	SW	NW	C	NW	W	W	WNW
26	SW	NW	WSW	SW	SW	W	WSW	W	W	WNW	WNW	NW
27	W	WNW	SW	SW	WNW	W	WSW	C	C	C	WSW	C
28	NW	WNW	NW	NW	NW	NW	NW	NW	NW	NW	C	C
29	N	NNW	NNW	NNW	SSW	S	C	C	C	C	C	C
30	NE	NE	N	N	N	NNW	NNW	C	C	C	C	C
31	N	N	NNE	N	N	N	N	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	2.4	1.6	6.4	8.9	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	7.2	5.6	10.5	—
	3	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6	0.8	8.9	3.2	—
	4	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	3.2	11.3	4.8	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	1.6	3.2	3.2	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.0	6.4	7.2	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	8.0	9.7	—
	8	0.0	0.0	0.0	0.0	0.0	4.8	1.6	0.0	1.6	4.8	4.0	8.0	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	10.5	10.5	9.7	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	3.2	2.4	3.2	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	2.4	3.2	3.2	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	7.2	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	4.0	8.0	9.7	—
	16	0.0	1.6	1.6	1.6	2.4	0.8	0.8	0.8	2.4	3.2	4.0	4.8	—
	17	0.8	0.0	0.8	1.6	0.8	0.8	1.6	2.4	1.6	3.2	6.4	5.6	—
	18	0.0	1.6	3.2	2.4	0.0	0.8	1.6	0.8	5.6	5.6	8.9	9.7	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	6.4	8.0	—
	20	0.0	0.0	0.0	0.8	0.0	0.0	0.0	2.4	7.2	4.8	5.6	6.4	—
	21	2.4	4.0	0.8	1.6	0.0	0.0	0.8	3.2	7.2	8.0	8.9	7.2	—
	22	0.8	0.0	0.0	0.8	0.0	0.0	0.0	1.6	4.8	4.8	8.0	8.9	—
	23	0.8	1.6	0.0	0.0	0.8	3.2	0.8	1.6	3.2	1.6	3.2	0.8	—
	24	0.0	0.0	1.6	0.8	0.0	0.0	0.8	3.2	5.6	4.8	1.6	6.4	—
	25	0.8	0.8	0.8	0.0	0.0	0.8	2.4	1.6	4.8	8.9	12.1	11.3	—
	26	7.2	4.8	1.6	0.8	0.0	0.0	1.6	2.4	4.8	4.8	4.8	8.0	—
	27	2.4	0.8	0.0	0.8	0.8	0.0	2.4	4.8	4.8	3.2	3.2	3.2	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	9.7	6.4	6.4	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	3.2	4.8	4.0	8.0	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.4	4.8	3.2	1.6	—
	31	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.8	3.2	7.2	9.7	—
Hourly Means.		0.49	0.49	0.34	0.36	0.18	0.46	0.72	1.47	2.97	4.27	5.70	6.43	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	11.3	10.5	9.7	3.2	2.4	4.8	1.6	0.8	0.0	0.0	0.0	0.0	2.82
	2	12.1	10.5	8.9	8.0	6.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.18
	3	4.0	4.8	4.8	4.0	1.6	1.6	0.8	0.0	0.0	0.0	0.8	0.0	1.67
	4	8.0	5.6	8.0	6.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.20
	5	8.0	3.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.10
	6	9.7	10.5	4.8	1.6	0.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.14
	7	4.0	6.4	8.9	8.0	1.6	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.28
	8	9.7	7.2	8.0	1.6	1.6	0.0	3.2	1.6	0.0	0.0	0.0	0.0	2.40
	9	3.2	4.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.98
	10	7.2	9.7	9.7	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.84
	11	8.0	8.0	7.2	7.2	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.70
	12	1.6	1.6	0.8	1.6	0.8	0.0	0.8	0.0	0.0	0.0	0.8	0.0	0.57
	13	6.4	10.5	4.0	0.0	0.0	0.0	0.0	2.4	1.6	1.6	1.6	0.8	1.74
	14	9.7	2.4	1.6	0.8	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.20
	15	7.2	4.8	2.4	1.6	3.2	0.8	1.6	0.0	0.0	0.0	0.0	0.0	1.97
	16	8.0	9.7	8.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.20
	17	8.0	4.8	5.6	5.6	1.6	0.0	0.0	0.0	0.8	3.2	2.4	0.8	2.43
	18	9.7	8.0	6.4	4.0	1.6	0.0	0.0	0.0	0.8	6.4	0.0	0.0	3.21
	19	9.7	10.5	3.2	0.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.14
	20	8.9	5.6	0.8	1.6	1.6	0.0	0.8	1.6	0.8	0.8	0.0	0.0	2.07
	21	6.4	1.6	0.8	2.4	1.6	0.0	0.0	0.0	0.0	0.8	0.8	0.0	2.44
	22	13.7	12.9	4.8	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	2.68
	23	1.6	4.8	8.0	1.6	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	1.43
	24	6.4	2.4	3.2	3.2	1.6	0.8	0.8	0.0	0.8	1.6	2.4	0.8	2.03
	25	12.9	9.7	6.4	5.6	3.2	3.2	0.8	0.0	1.6	0.8	1.6	3.2	3.89
	26	2.4	3.2	6.4	4.8	4.8	3.2	3.2	1.6	3.2	3.2	1.6	3.2	3.40
	27	0.8	4.0	0.8	1.6	3.2	2.4	0.8	0.0	0.0	0.0	0.8	0.0	1.70
	28	7.2	8.9	6.4	4.8	1.6	0.8	0.8	1.6	0.8	1.6	0.0	0.0	2.51
	29	9.7	9.7	9.7	8.9	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.82
	30	9.7	8.9	6.4	2.4	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.01
	31	8.0	9.7	12.1	8.0	4.0	4.8	1.6	0.0	0.0	0.0	0.0	0.0	2.95
Hourly Means.		7.52	6.91	5.54	3.44	2.06	1.06	0.65	0.34	0.34	0.67	0.44	0.36	2.22

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	10	10	10	10	6	10	6	3	1	6	8	6	—
	2	4	2	2	1	3	2	1	0	0	2	6	8	—
	3	3	2	2	1	2	2	3	2	7	7	9	7	—
	4	1	1	1	1	2	2	3	2	7	8	9	8	—
	5	7	6	6	7	8	6	5	7	9	9	7	8	—
	6	10	6	8	9	9	7	3	1	0	6	7	7	—
	7	3	2	2	1	3	7	8	7	4	6	7	9	—
	8	3	3	5	5	8	10	9	9	9	9	10	9	—
	9	10	10	10	9	10	9	10	9	8	9	8	8	—
	10	0	0	4	2	7	5	5	7	9	8	8	6	—
	11	5	4	2	2	4	3	1	1	0	0	0	6	—
	12	4	6	5	9	10	10	10	10	10	10	10	10	—
	13	5	4	1	2	4	9	9	4	6	9	8	9	—
	14	6	5	2	6	9	9	10	10	10	8	9	9	—
	15	6	6	5	5	6	6	9	8	9	9	9	9	—
	16	10	10	10	10	10	10	9	7	7	6	7	6	—
	17	7	9	8	10	9	10	10	10	10	10	9	10	—
	18	10	10	10	10	10	10	10	9	9	8	9	8	—
	19	6	5	6	3	3	4	8	5	5	6	8	7	—
	20	10	7	7	6	10	10	7	7	8	8	6	7	—
	21	10	10	10	10	10	10	10	10	6	10	10	9	—
	22	8	4	2	4	7	9	9	7	5	7	8	9	—
	23	8	6	2	2	7	10	10	9	10	10	10	10	—
	24	9	7	7	9	7	4	8	7	9	10	9	10	—
	25	10	10	10	10	10	7	6	7	7	7	9	8	—
	26	10	10	10	10	10	10	10	10	10	10	10	10	—
	27	10	9	9	9	8	8	6	5	7	10	10	10	—
	28	9	9	10	10	10	10	10	10	8	9	9	9	—
	29	8	9	9	9	7	9	7	1	8	2	4	10	—
	30	10	6	6	6	6	6	7	6	5	4	8	8	—
	31	2	3	3	10	10	9	10	10	7	6	10	10	—
Hourly Means.		6.9	6.2	5.9	6.4	7.3	7.5	7.4	6.5	6.8	7.4	8.1	8.4	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	7	6	5	9	9	10	7	6	3	3	7	7	6.9
	2	5	3	1	0	0	4	1	2	1	2	2	1	2.2
	3	8	9	9	10	10	9	6	7	7	7	6	6	5.9
	4	9	9	9	10	10	10	7	9	7	4	4	3	5.7
	5	8	10	9	9	10	9	6	5	4	5	6	7	7.2
	6	7	6	7	8	8	9	7	5	4	4	2	2	5.9
	7	10	6	4	1	10	10	9	9	7	9	8	7	6.2
	8	10	10	10	10	10	10	10	10	10	10	10	10	8.7
	9	9	10	10	9	9	10	9	7	7	7	8	5	8.8
	10	8	4	2	3	8	9	4	2	2	3	4	4	4.8
	11	4	2	2	4	9	7	4	4	2	5	9	8	3.7
	12	6	7	8	9	9	7	8	6	4	3	4	7	7.6
	13	10	10	10	10	10	10	10	10	10	10	10	9	7.9
	14	10	10	10	10	10	10	10	10	10	10	10	9	8.8
	15	10	10	10	10	10	10	10	10	9	6	8	6	8.2
	16	8	8	9	9	9	8	8	9	8	3	3	6	7.9
	17	10	10	6	10	10	10	10	9	9	9	9	10	9.3
	18	9	9	10	10	10	10	10	10	10	10	10	7	9.5
	19	7	9	10	9	8	10	10	10	10	10	10	10	7.5
	20	8	8	10	10	10	10	10	10	10	10	9	10	8.7
	21	10	10	10	10	10	10	8	8	6	4	8	9	9.1
	22	7	9	10	6	6	6	6	8	8	7	8	9	7.0
	23	10	10	10	10	10	10	10	10	10	10	6	6	8.6
	24	10	10	10	10	10	10	10	10	10	10	10	10	9.0
	25	6	8	8	5	10	10	10	10	8	10	10	10	8.6
	26	10	10	10	10	10	10	10	10	10	10	10	10	10.0
	27	10	10	10	10	6	6	6	4	9	10	9	10	8.4
	28	10	10	10	10	10	10	6	6	8	9	10	7	9.1
	29	7	10	8	9	10	9	9	9	4	6	6	8	7.4
	30	8	8	10	10	9	10	4	2	1	1	3	3	6.1
	31	9	7	7	7	9	9	8	4	4	3	8	8	7.2
Hourly Means.		8.4	8.3	8.2	8.3	9.0	9.1	7.8	7.5	6.8	6.8	7.3	7.2	7.48

DURATION OF SUNSHINE.

	Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
DECEMBER.	1	10	10	8	9	4	0	3	8	7	4	5	4	4	2	7	1	5.4
	2	10	10	9	8	10	8	7	8	8	8	6	5	5	5	8	9	7.8
	3	9	6	2	2	2	1	1	2	4	8	9	5	4	2	3	3	3.9
	4	9	4	4	8	7	7	3	4	6	4	4	7	7	5	1	3	5.2
	5	1	0	0	2	6	4	7	7	4	4	3	0	0	0	0	0	2.4
	6	10	8	2	9	6	6	5	3	2	9	10	5	4	1	0	0	5.0
	7	9	8	5	8	9	8	4	4	0	0	1	5	9	10	10	9	6.2
	8	8	4	1	5	4	4	6	6	4	4	5	2	1	0	0	0	3.4
	9	5	7	9	3	0	5	8	8	1	0	1	0	0	0	0	0	2.9
	10	8	4	3	7	7	6	9	8	8	7	10	10	10	10	10	10	7.9
	11	10	10	10	10	10	10	10	7	9	5	10	10	10	10	10	10	9.4
	12	7	9	6	3	3	2	2	3	3	6	2	0	0	0	0	0	2.9
	13	6	10	9	10	8	7	8	6	4	0	0	0	0	0	0	0	4.3
	14	2	3	1	3	6	6	2	4	6	2	0	0	0	0	0	0	2.2
	15	2	0	1	3	3	1	4	3	6	3	0	0	0	0	0	0	1.6
	16	1	3	5	8	10	9	6	8	8	6	2	0	0	0	0	0	4.1
	17	2	0	0	1	2	3	5	5	7	3	2	0	0	3	2	0	2.2
	18	9	4	7	8	7	2	1	2	3	5	4	7	3	0	0	0	3.9
	19	10	9	8	9	9	6	6	6	7	6	5	1	0	0	0	0	5.1
	20	8	9	0	3	4	8	9	9	4	6	1	2	0	0	0	2	4.1
	21	1	4	0	0	0	2	3	4	0	0	0	0	0	0	0	0	0.9
	22	3	2	7	10	7	6	7	9	5	9	7	6	3	0	0	0	5.1
	23	0	0	0	0	0	0	0	0	0	1	2	2	2	0	0	0	0.4
	24	6	1	0	0	0	0	1	3	2	0	0	0	0	2	1	0	1.0
	25	6	7	9	8	9	9	6	8	7	7	7	0	0	1	2	4	5.6
	26	2	1	1	0	0	1	3	1	0	0	0	0	0	0	0	0	0.6
	27	9	0	1	2	1	0	2	1	0	0	0	1	0	0	0	0	1.1
	28	1	6	4	1	2	0	1	1	1	0	3	2	1	0	0	0	1.4
	29	9	5	8	4	9	9	7	3	5	7	3	1	0	8	8	6	5.8
	30	9	2	10	4	9	7	3	0	7	5	7	4	5	6	0	0	4.9
	31	8	7	9	9	7	1	1	2	3	2	1	5	7	8	8	3	5.1
	Hourly Means.	6.1	4.9	4.5	5.1	5.2	4.5	4.5	4.6	4.2	3.9	3.5	2.7	2.4	2.4	2.3	1.9	3.92

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

DECEMBER.

Mean Batavia Time.	7^h30 A. M.	8	8^h30	9	9^h30	10	10^h30	11	11^h30	12	0^h30 P. M.	1	1^h30	2	2^h30	3	3^h30	4	4^h30
1	37.6	41.0	46.8	52.4	51.4	43.4	44.7	36.4	45.2	52.4	47.4	49.8	43.6	44.0	42.4	47.9	39.9	31.2	29.4
2	40.8	45.7	47.6	49.6	51.0	51.9	52.8	45.7	49.0	54.3	51.0	51.9	50.3	52.4	51.4	46.9	40.3	33.4	31.1
3	40.4	45.3	48.1	45.7	40.2	45.6	41.6	33.2	—	45.9	44.0	53.9	52.2	46.8	44.8	41.3	43.5	37.1	35.9
4	36.1	43.9	46.4	47.4	42.9	48.1	48.5	52.5	—	47.4	50.3	43.5	44.2	48.5	48.2	41.9	40.5	35.0	33.2
5	37.6	35.9	36.9	35.3	38.0	46.4	53.9	53.4	50.4	47.4	49.7	38.4	49.0	—	28.4	29.8	31.4	31.2	31.0
6	42.4	46.4	48.1	48.4	41.2	50.4	50.2	45.4	50.4	44.3	44.0	52.8	51.6	43.8	40.3	32.9	32.4	31.9	31.4
7	35.4	43.0	46.4	46.0	40.6	49.2	51.9	50.7	41.2	46.1	38.3	32.9	37.4	41.4	40.4	47.4	39.9	34.9	31.9
8	24.9	40.9	47.7	43.4	39.3	50.5	43.6	49.3	45.8	50.4	46.4	46.8	48.8	45.4	42.4	38.4	36.4	27.6	27.5
9	28.4	31.6	36.9	43.4	48.4	38.9	38.4	49.4	50.4	49.9	42.2	41.9	42.9	34.6	34.4	—	—	27.4	27.1
10	26.0	37.9	41.4	42.4	41.7	43.4	47.4	46.0	49.4	51.9	55.1	48.6	51.0	51.5	50.1	48.9	46.0	34.5	34.8
11	40.7	45.4	47.9	48.4	50.6	51.4	52.0	53.9	54.4	54.4	52.4	43.4	49.4	49.9	48.0	45.3	43.9	32.9	30.3
12	31.7	36.4	42.3	45.9	46.1	46.6	44.6	44.9	44.6	46.2	45.4	49.4	46.4	41.4	42.1	39.9	39.3	36.1	29.4
13	36.7	43.2	41.4	47.5	49.0	53.6	56.0	55.7	48.6	55.6	51.6	43.3	38.1	32.4	—	—	25.4	25.7	26.2
14	29.1	37.2	37.3	42.7	42.8	50.3	50.2	54.0	53.9	54.0	—	—	—	—	—	—	—	—	—
15	28.0	31.9	34.2	33.9	38.4	41.7	41.6	41.9	42.2	43.9	45.8	—	33.4	36.3	32.5	—	—	29.0	27.9
16	30.0	33.4	36.5	42.4	45.1	51.8	50.4	41.9	44.4	48.4	48.3	43.9	39.9	37.0	38.1	33.4	33.0	30.9	29.8
17	27.9	33.9	37.6	34.3	35.0	38.2	40.0	42.9	43.6	39.2	47.0	35.8	—	30.4	33.4	42.8	38.3	30.4	30.4
18	27.9	45.0	48.4	46.0	49.2	50.4	52.0	45.6	44.2	44.7	45.6	42.9	47.4	48.9	40.7	37.0	36.4	33.9	31.9
19	31.4	46.7	49.1	50.9	50.0	47.9	48.0	38.8	43.4	46.0	48.2	45.3	45.4	40.0	35.6	28.4	26.2	26.7	27.2
20	30.9	36.9	41.3	44.4	35.0	42.1	40.8	53.2	51.8	51.4	43.8	47.1	—	33.9	31.4	26.4	—	30.8	29.0
21	28.4	30.8	35.3	42.4	41.1	37.9	38.3	44.4	40.4	42.4	42.3	—	—	—	—	28.4	29.9	—	—
22	26.1	34.0	39.2	39.5	47.2	51.9	40.6	45.9	44.0	51.5	42.4	50.8	42.2	42.8	40.4	—	—	—	29.0
23	24.4	28.9	30.4	30.1	—	29.6	—	—	—	—	—	33.4	36.0	43.9	39.9	37.4	—	—	—
24	41.2	36.3	41.3	35.9	—	31.4	32.0	32.0	37.4	45.0	—	—	—	26.2	30.4	35.4	34.0	33.6	31.8
25	43.4	48.4	46.9	48.9	52.3	47.9	46.4	45.4	42.9	46.4	45.4	50.8	50.4	35.4	34.4	37.5	36.0	32.5	30.8
26	—	26.4	32.4	37.9	35.9	34.9	37.9	42.8	45.4	44.4	—	—	—	33.8	29.4	—	—	—	—
27	31.9	42.4	45.5	38.4	40.6	43.5	—	38.2	—	—	2.90	30.9	32.4	—	—	32.4	31.4	34.4	31.1
28	25.6	28.5	32.3	45.6	42.1	47.2	39.6	42.0	44.2	45.6	40.6	40.4	46.4	45.4	42.1	39.2	37.4	35.4	33.3
29	31.4	44.4	47.4	47.6	48.6	49.9	50.4	52.1	51.4	49.0	51.4	45.5	39.1	—	36.1	40.3	42.1	33.4	30.2
30	37.4	40.3	44.2	41.9	48.3	47.8	46.4	43.3	42.1	42.4	48.2	44.2	49.2	46.4	45.8	32.4	—	—	26.4
31	34.1	33.9	42.0	41.4	48.3	50.5	46.4	46.0	44.7	41.9	46.4	47.9	45.9	45.9	45.9	43.9	45.9	33.4	32.9
Means.	32.93	38.58	41.91	43.23	44.15	45.62	45.74	45.56	46.13	47.67	46.01	44.44	44.50	41.48	39.59	38.22	36.93	32.13	30.40

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 78 METER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	127	85	77	66	83	72	74	50	30	22	28	30	—
	2	96	94	88	116	69	102	116	52	19	17	14	8	—
	3	94	105	83	61	66	55	72	30	14	17	P N	P N	—
	4	96	110	88	58	41	41	36	39	11	3	11	14	—
	5	127	91	83	138	129	132	206	P N	P N	28	17	19	—
	6	P N	39	69	83	80	85	66	39	25	19	22	28	—
	7	116	96	69	66	74	121	149	94	28	— 6	— 3	P N	—
	8	66	44	52	47	88	P	P	—	—	—	—	—	—
	9	—	—	—	—	—	—	—	8	25	47	44	28	—
	10	162	157	118	113	85	102	113	83	44	17	25	30	—
	11	99	61	52	55	55	58	69	55	25	19	14	14	—
	12	72	80	61	44	47	47	61	47	17	19	19	19	—
	13	30	19	19	19	36	44	80	74	58	36	36	39	—
	14	50	61	55	83	96	77	107	80	47	22	6	11	—
	15	151	113	96	118	50	72	102	66	58	61	50	39	—
	16	66	44	39	44	36	50	63	55	39	28	33	30	—
	17	36	41	33	19	19	25	50	50	50	30	25	19	—
	18	19	14	— 6	28	41	47	58	47	22	19	19	25	—
	19	50	58	61	55	83	138	149	83	33	25	25	19	—
	20	157	99	121	83	85	80	110	39	47	17	N	25	—
	21	36	19	30	30	14	39	74	55	50	30	28	22	—
	22	52	44	96	83	63	85	110	61	47	19	30	19	—
	23	55	39	44	47	44	50	28	50	52	36	N	N	—
	24	52	33	22	25	28	33	72	44	33	— 83	25	28	—
	25	28	25	25	28	39	41	44	33	33	22	22	22	—
	26	39	25	28	N	N	47	52	50	69	47	41	28	—
	27	—	69	63	83	55	94	94	63	47	39	— 28	N	—
	28	61	52	50	50	66	80	91	74	63	44	33	28	—
	29	77	61	61	50	36	47	58	44	39	33	25	17	—
	30	66	44	30	33	33	66	116	96	47	25	28	25	—
	31	22	19	17	25	14	19	66	74	72	22	22	22	—
Hourly Means.		75.1	61.4	57.5	60.3	57.1	67.2	85.7	56.4	39.4	22.5	22.6	23.4	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	25	25	50	P N	P N	P N	P N	66	99	83	69	80	62.1
	2	0	11	11	6	25	28	61	107	118	110	151	94	63.0
	3	22	8	33	11	28	39	47	69	88	94	99	88	55.6
	4	17	17	19	22	33	50	58	132	118	110	110	85	55.0
	5	17	P N	— 17	39	63	94	105	96	124	72	72	P N	81.8
	6	33	55	— 41	44	63	99	138	102	121	105	116	99	64.7
	7	P N	28	6	P N	P N	P N	50	74	102	91	91	85	70.1
	8	—	—	—	—	—	—	—	—	—	—	—	—	59.4
	9	41	P N	P N	P N	66	121	149	146	127	184	173	146	93.2
	10	39	30	28	160	36	44	77	88	138	143	124	102	85.8
	11	19	25	28	22	P N	127	165	116	138	124	132	107	68.7
	12	11	8	17	30	28	66	58	58	55	41	39	28	40.5
	13	44	P N	P N	P N	P N	P N	P N	P N	55	80	55	47	45.4
	14	N	P	248	55	33	P N	P N	PN	118	149	113	P N	78.4
	15	36	55	N	160	50	66	88	118	113	118	74	77	84.0
	16	22	80	91	181	231	72	88	96	88	66	61	69	69.7
	17	17	P N	P N	P N	P N	3	124	99	72	36	47	— 14	39.1
	18	19	14	33	33	41	61	118	132	171	39	39	52	45.2
	19	22	63	N	P	50	127	140	127	132	135	181	N	83.6
	20	19	3	P N	P N	P N	138	105	66	74	61	66	55	72.5
	21	—	—	83	33	—	—	—	154	135	113	66	58	56.3
	22	28	P	P	P	121	52	69	121	140	127	105	39	72.0
	23	80	25	P	P N	0	50	66	66	77	91	66	61	51.4
	24	N	N	85	30	28	39	50	58	58	47	33	25	34.8
	25	14	N	36	44	N	P N	P N	58	50	14	47	33	32.9
	26	N	N	— 14	N	14	— 36	— 6	—	—	—	—	—	27.4
	27	N	N	11	61	41	52	77	146	157	160	94	77	72.8
	28	30	33	44	33	44	107	113	118	116	66	80	69	64.4
	29	14	N	58	P N	N	— 19	91	44	28	63	99	83	48.0
	30	22	19	17	N	47	N	28	28	50	61	52	52	44.8
	31	19	17	14	25	22	41	69	107	138	132	96	116	49.6
Hourly Means.		25.4	28.7	38.2	54.9	50.7	61.8	85.1	96.0	103.4	93.6	87.9	69.7	59 33

RAIN IN MILLIMETRES.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
January.	9	—	—	—	—	—	—	—	—	—	—	—	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	—	—
»	15	—	—	—	—	—	—	—	—	—	—	—	—	—
»	18	—	—	—	—	—	—	—	—	—	—	—	—	—
»	22	—	—	—	—	—	—	—	—	—	—	—	—	—
»	23	—	—	—	—	—	—	—	—	—	—	—	—	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	—	—	0.3	0.7	0.1	—	—	—	—	1.5	5.4	—
»	27	—	—	0.5	—	—	—	—	—	—	—	—	—	—
»	28	—	6.7	4.4	1.0	2.2	0.2	—	—	—	—	—	—	—
»	29	—	—	—	—	1.3	0.1	—	—	—	—	—	—	—
»	30	—	—	—	0.1	—	—	—	—	—	—	—	—	—
»	31	—	—	—	—	—	—	—	—	—	—	—	—	—
February	1	—	—	—	—	—	—	—	—	—	—	—	—	—
»	2	—	1.8	0.3	0.3	0.5	0.1	—	—	—	0.3	2.9	0.2	—
»	3	—	—	—	0.7	0.3	0.1	—	—	—	—	0.3	0.2	—
»	4	0.1	—	0.4	4.9	0.2	2.1	2.2	0.7	0.2	0.2	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—	—
»	7	—	—	—	—	—	—	—	—	—	—	—	1.1	—
»	8	—	—	—	—	—	0.3	1.1	0.3	1.4	0.2	0.6	0.1	—
»	9	—	—	—	—	—	—	—	—	0.6	0.1	0.1	—	—
»	10	—	—	—	—	—	—	—	—	0.1	—	—	—	—
»	11	—	—	—	1.9	5.9	0.8	0.1	0.1	—	—	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	—	—	—
»	23	—	—	—	—	—	—	—	—	—	—	—	—	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—	—
»	25	—	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	—	—	—	—	—	—	—	—	—	—	—	—
»	27	—	—	—	—	—	—	—	—	—	—	—	—	—
March.	4	—	—	—	—	—	—	—	—	—	—	—	—	—
»	5	—	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
January.	9	—	—	—	—	—	1.1	1.7	0.3	0·1	—	—	—	3.2
»	10	—	—	0.1	0.7	—	—	—	—	—	—	—	—	0.8
»	15	—	—	0.8	—	—	—	—	—	—	—	—	—	0.8
»	18	—	0.7	0.1	—	—	—	—	—	—	—	—	—	0.8
»	22	—	—	1.3	—	—	—	—	—	—	—	—	—	1.3
»	23	—	—	—	1.0	0.2	—	—	—	—	—	—	—	1.2
»	24	—	9.5	—	—	—	—	—	—	—	—	—	—	9.5
»	26	0.2	—	—	—	—	—	—	—	—	—	—	—	8.2
»	27	—	—	—	—	0.8	16.4	4.9	0.6	0.1	—	—	—	23.3
»	28	—	—	—	—	—	—	—	—	—	—	—	0.2	14.7
»	29	—	—	—	—	—	—	—	—	—	—	—	—	1.4
»	30	—	—	—	—	—	—	—	—	—	—	—	—	0.1
»	31	—	—	—	—	—	2.0	0.1	—	—	—	—	—	2.1
February.	1	—	—	—	—	—	—	—	—	—	1.7	0.1	—	1.8
»	2	0.1	—	—	16.5	8.2	0.3	—	—	—	—	—	—	31.5
»	3	—	—	—	—	—	—	—	4.6	0.2	0.1	0.4	0.1	7.0
»	4	—	—	—	—	—	—	—	—	—	—	—	—	11.0
»	6	2.6	10.8	0.4	0.1	—	—	—	—	—	—	—	—	13.9
»	7	1.0	4.5	0.2	1.5	0.5	0.1	—	—	—	—	—	—	8.9
»	8	—	—	—	—	—	—	—	—	—	—	—	—	4.0
»	9	—	—	—	3.4	0.2	0.1	—	—	—	—	—	—	4.5
»	10	—	—	—	—	—	—	—	—	—	—	—	—	0.1
»	11	—	—	—	—	—	—	—	—	—	—	—	—	8.8
»	20	—	—	0.4	0.1	—	—	—	—	—	—	—	—	0.5
»	23	—	21.1	16.3	2.3	1.4	0.5	0.1	0.1	—	—	—	—	41.8
»	24	—	—	—	—	1.3	10.6	0.4	0.9	0.3	0.1	—	—	13.6
»	25	—	—	4.7	3.3	1.5	0.7	0.3	0.1	0.1	0.1	0.1	0.1	11.0
»	26	—	—	—	—	—	0.5	1.3	0.4	0.1	—	—	—	2.3
»	27	—	—	—	—	—	—	0.8	0.3	—	—	—	—	1.1
March.	4	3.8	0.2	0.1	—	—	—	—	—	—	—	—	—	4.1
»	5	—	0.6	3.4	—	—	—	—	—	—	—	—	—	4.0
»	6	—	—	—	—	—	—	—	—	6.0	0.2	—	—	6.2

RAIN IN MILLIMETRES.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
March.	7	—	—	—	—	—	—	—	—	—	—	—	1.9	—
»	13	—	—	—	—	—	—	—	—	—	—	—	—	—
»	15	—	—	—	2.6	4.8	0.2	—	—	—	—	—	—	—
»	16	—	—	—	—	—	—	—	—	—	—	—	—	—
»	17	2.1	0.1	0.1	4.2	4.8	0.3	0.1	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—	—
»	22	—	—	—	—	—	—	—	—	—	—	—	—	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—	—
»	25	—	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	—	—	—	—	—	—	—	—	—	—	—	—
»	27	—	—	—	0.2	1.0	1.0	2.9	3.1	0.3	—	—	—	—
»	28	—	—	—	0.6	2.1	0.1	0.1	0.6	0.1	—	—	—	—
»	29	—	—	1.0	0.2	—	—	0 6	—	—	—	—	6.2	—
»	30	—	—	—	—	—	—	6.6	0.2	0.1	—	0.1	2.8	—
»	31	—	—	—	—	—	—	—	—	—	—	—	—	—
April.	5	—	—	—	—	—	—	—	—	—	—	—	—	—
»	8	—	—	—	—	—	—	—	—	—	—	—	—	—
»	9	0.1	—	—	—	—	—	—	—	—	—	—	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	—	—
»	15	—	—	—	—	0.1	—	—	—	—	—	—	—	—
»	17	—	—	—	—	—	—	0.8	0.1	—	—	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	—	—	—
»	21	—	—	—	—	—	—	—	—	—	—	—	—	—
»	22	—	—	—	—	—	—	—	—	—	—	—	—	—
»	23	0.1	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	—	—	—	—	—	—	—	—	—	—	—	—
May.	7	—	—	—	—	—	—	—	1.0	0.1	—	—	—	—
»	8	—	—	—	—	—	—	10.7	1.4	1.8	0.2	0.1	—	—
»	10	—	—	—	—	—	—	—	—	—	—	—	—	—
»	11	—	—	—	—	—	—	—	—	—	—	—	—	—
»	12	—	—	—	—	—	—	—	—	—	—	—	—	—
»	16	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
March.	7	0.9	0.1	—	0.2	0.1	—	—	—	—	0.7	0.3	0.1	4.3
»	13	—	—	—	0.2	0.1	—	—	—	—	—	—	—	0.3
»	15	—	—	—	—	—	—	—	—	—	—	—	—	7.6
»	16	15.0	0.2	—	—	—	—	—	—	—	—	—	—	15.2
»	17	—	—	—	—	—	—	—	—	—	—	—	—	11.7
»	21	—	—	—	—	—	—	14.8	0.1	—	—	—	—	14.9
»	22	3.0	1.1	0.1	—	—	—	—	—	—	—	—	—	4.2
»	24	—	—	—	1.9	24.1	0.3	0.1	—	—	—	—	—	26.4
»	25	—	1.3	0.2	—	—	—	—	—	—	—	—	—	1.5
»	26	—	5.4	0.1	—	—	0.2	—	—	—	—	—	—	5.7
»	27	0.3	0.2	—	—	—	—	—	—	—	—	—	—	9.0
»	28	—	—	1.7	—	—	—	—	—	—	—	—	0.1	5.4
»	29	0.1	—	—	—	—	3.5	0.1	13.2	5.0	0.7	0.3	—	30.9
»	30	0.2	—	—	—	—	—	—	—	—	—	—	—	10.0
»	31	—	—	—	2.1	0.1	—	—	—	—	—	—	—	2.2
April.	5	—	—	20.0	1.1	0.1	—	—	—	—	—	—	—	21.2
»	8	—	—	—	—	—	—	—	—	—	—	0.3	0.5	0 8
»	9	—	—	—	—	38.4	0.5	0.1	0.1	—	—	—	—	39.2
»	10	—	—	—	—	—	—	0.7	1.0	0.2	—	—	—	1.9
»	15	—	—	—	—	—	—	—	—	—	—	—	—	0.1
»	17	—	—	—	—	—	—	—	—	—	—	—	—	0.9
»	20	—	1.0	0.4	—	—	—	—	—	—	—	—	—	1.4
»	21	—	—	—	—	—	2.8	9.2	0.1	—	—	—	—	12.1
»	22	—	—	—	—	—	—	—	—	2.5	2.1	0.2	—	4.8
»	23	—	—	—	—	—	—	—	—	—	—	—	—	0.1
»	26	—	0.2	—	—	—	—	—	—	—	—	—	—	0 2
May.	7	—	—	—	—	—	—	—	—	—	—	—	—	1.1
»	8	—	—	—	—	—	—	—	—	—	—	—	—	14.2
»	10	—	—	—	—	—	0.3	—	—	—	—	—	—	0.3
»	11	—	—	—	—	0.1	1.6	0.9	0.1	—	—	—	—	2.7
»	12	—	—	—	—	1.5	0.2	—	—	—	—	—	—	1.7
»	16	—	—	—	—	—	—	—	8.1	25.9	0.2	—	—	34.2

RAIN IN MILLIMETRES.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
May. 17	—	—	—	—	—	—	—	—	—	—	—	—	—
» 18	0.5	0.1	0.1	—	0.1	—	—	—	—	—	—	—	—
June. 1	—	—	—	—	—	—	—	—	—	—	—	—	—
» 2	1.1	1.6	0.4	0.1	—	—	—	—	—	—	—	—	—
» 8	—	—	—	—	24.7	0.7	0.6	0.1	0.1	—	—	—	—
» 9	—	—	—	—	—	—	1.1	1.9	0.7	0.1	—	—	—
» 11	—	—	—	—	—	—	—	—	—	—	—	—	—
» 14	—	—	—	—	—	—	—	—	—	—	—	—	—
» 15	0.1	—	—	—	—	—	—	—	—	—	—	—	—
» 18	0.3	0.4	0.3	0.1	—	—	—	—	—	—	—	—	—
» 21	—	—	—	—	—	—	—	—	—	—	—	—	—
» 25	—	—	—	—	—	—	—	—	—	1.3	0.1	—	—
» 30	—	—	—	—	—	—	—	—	—	—	—	—	—
July. 2	—	—	—	—	—	—	—	—	—	7.7	0.4	0.4	—
» 9	—	—	—	—	—	—	—	—	—	—	—	—	—
» 10	—	—	—	—	—	—	—	—	—	—	—	—	—
» 20	—	—	—	0.1	0.1	—	—	—	—	—	—	—	—
» 22	—	—	—	—	—	—	—	—	—	—	—	—	—
» 23	—	—	0.3	1.4	0.9	0.2	0.1	—	—	0.1	—	—	—
» 24	—	—	—	—	—	—	—	—	—	—	—	—	—
» 25	0.1	1.7	0.6	0.1	—	—	—	—	—	—	—	—	—
» 26	—	—	—	—	—	—	—	—	—	—	—	—	—
» 28	—	—	—	—	—	—	—	—	—	—	—	—	—
» 29	—	—	—	—	—	—	—	—	—	—	—	—	—
» 30	—	—	—	—	—	—	—	—	—	—	—	—	—
» 31	0.2	0.1	0.1	—	—	—	—	—	—	—	—	—	—
August. 15	—	—	—	—	—	—	—	—	—	—	—	—	—
» 18	—	—	—	—	—	0.4	0.1	—	—	—	—	—	—
» 19	—	—	—	—	—	—	—	—	—	—	—	—	—
» 20	—	—	16.0	4.1	5.2	1.8	0.1	0.1	—	—	—	—	—
» 22	—	—	—	—	—	—	—	—	—	—	—	—	—
» 26	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
May. 17	—	—	0.6	0.1	—	—	—	2.6	4.5	0.2	1.3	1.9	11.2
» 18	—	—	—	—	—	—	—	—	—	—	—	—	0.8
June. 1	—	—	—	—	—	—	—	—	—	0.7	40.7	21.6	63.0
» 2	—	—	—	—	—	—	—	—	—	—	—	—	3.2
» 8	—	—	—	—	—	—	—	—	—	—	—	—	26.2
» 9	—	—	—	—	—	—	—	—	—	—	—	—	3.8
» 11	—	—	—	—	—	7.6	8.7	3.4	0.3	0.1	—	—	20 1
» 14	—	—	—	—	—	—	0.1	0.1	—	0.2	0.7	0.5	1.6
» 15	—	—	—	—	—	7.1	25.6	0.8	0.1	0.1	—	—	33.8
» 18	—	—	—	—	—	—	—	—	—	—	—	—	1.1
» 21	—	—	—	—	—	—	1.5	0.7	0.4	0.1	—	—	2.7
» 25	—	—	—	—	—	—	—	—	—	—	—	—	1.4
» 30	—	0.1	1.5	1.7	0.3	0.2	0.1	0.1	—	—	—	—	4.0
July. 2	0.1	—	—	—	—	0.1	0.2	—	—	—	—	—	8.9
» 9	—	—	—	—	—	0.8	1.8	0.1	—	—	—	—	2.7
» 10	—	—	—	—	—	—	—	—	—	—	4.7	0.1	4.8
» 20	—	—	—	10.2	4.6	0.3	0.1	—	—	—	—	—	15.4
» 22	—	—	—	—	6.0	0.1	—	—	—	—	—	—	6.1
» 23	—	—	—	—	—	—	—	—	—	—	—	—	3.0
» 24	—	—	0.3	—	—	—	—	—	—	0.3	1.6	0.1	2.3
» 25	—	—	—	—	—	—	—	—	—	—	—	—	2.5
» 26	—	—	0.5	—	—	—	—	—	—	—	—	—	0.5
» 28	1.2	0.1	—	—	—	—	—	—	—	—	—	—	1.3
» 29	—	—	—	—	—	—	7.6	0.1	—	—	—	—	7.7
» 30	—	—	—	—	—	—	—	2.2	32.0	1.4	2.5	0.1	38.2
» 31	—	—	—	—	—	—	—	—	—	—	—	—	0.4
August. 15	—	13.2	0.3	—	—	—	—	—	—	—	—	—	13.5
» 18	—	—	—	—	—	—	—	—	—	—	—	—	0.5
» 19	—	—	—	1.6	0.1	—	—	—	—	—	—	—	1.7
» 20	—	—	—	—	—	—	2.7	0.9	0.1	—	—	—	31.0
» 22	—	—	—	1.9	0.1	—	—	—	—	—	—	—	2.0
» 26	—	—	—	—	—	—	—	14.0	0.4	—	—	—	14.4

RAIN IN MILLIMETRES.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
September. 4	—	—	—	—	—	—	—	—	—	—	—	—	—
» 5	—	—	—	—	—	—	—	—	—	—	—	—	—
» 9	—	—	—	—	0.3	—	—	—	—	—	—	—	—
» 10	—	—	—	—	—	—	—	—	—	—	—	—	—
» 11	0.2	—	—	—	—	—	0.2	0.2	0.1	—	—	—	—
» 12	—	—	—	—	—	—	—	—	—	—	—	—	—
» 14	—	—	—	—	—	—	—	—	—	—	—	—	—
» 15	—	—	—	—	—	—	—	—	—	—	—	1.4	—
» 16	—	—	—	—	—	—	—	—	—	—	—	—	—
» 20	—	—	—	—	—	—	—	—	—	—	—	—	—
» 21	—	—	—	—	—	—	—	—	—	—	—	—	—
» 26	—	—	—	—	—	—	—	—	—	—	—	—	—
» 28	—	—	—	—	—	—	—	—	1.2	30.2	5.5	0.6	—
October. 1	—	—	—	—	—	—	—	—	—	—	—	—	—
» 2	—	—	0.2	0.3	0.2	—	—	—	—	—	—	—	—
» 3	—	—	—	—	—	—	—	—	—	—	—	—	
» 7	0.5	1.3	0.1	—	—	—	—	—	—	—	—	—	—
» 9	—	—	—	—	—	—	—	—	—	—	—	—	—
» 11	—	—	—	—	—	—	—	—	—	—	—	14.5	—
» 12	—	—	0.3	0.1	—	—	—	—	—	—	—	—	—
» 13	1.5	1.3	1.4	0.5	2.1	0.8	0.3	1.3	0.1	—	—	—	—
» 16	—	—	—	—	—	—	—	—	—	—	—	—	—
» 20	—	—	—	—	—	—	—	—	—	—	—	—	—
» 21	—	—	—	—	—	—	—	—	—	—	—	—	—
» 23	—	—	—	—	—	—	—	—	—	—	—	—	—
» 27	—	—	—	—	—	—	—	—	—	—	—	—	—
» 28	—	—	—	—	—	—	—	—	—	—	—	—	—
» 29	—	—	—	—	—	—	—	—	—	—	—	—	—
» 30	1.8	0.1	—	—	—	—	—	—	—	—	—	—	—
November. 2	—	—	—	—	—	—	—	—	—	—	—	—	—
» 3	—	—	—	—	—	—	—	1.5	—	—	—	—	—
» 4	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
September. 4	—	—	5.4	0.2	17.7	2.4	0.5	—	—	—	—	—	26.2
» 5	—	—	2.0	—	—	—	—	—	—	—	—	—	2.0
» 9	—	—	—	—	—	—	—	—	—	—	—	—	0.3
» 10	—	—	—	—	—	—	—	0.3	0.6	4.6	0.3	2.9	8.7
» 11	—	—	—	—	—	1.5	0.8	—	—	—	—	—	3.0
» 12	—	—	—	—	—	—	—	—	16.2	2.4	0.1	—	18.7
» 14	—	—	—	—	—	1.1	0.5	—	—	—	—	—	1.6
» 15	0.3	—	—	—	0.4	0.6	0.2	—	1.6	0.8	0.2	—	5.5
» 16	—	—	—	—	—	—	—	0.6	0.3	—	—	—	0.9
» 20	—	—	—	—	—	—	—	—	—	0.8	0.2	—	1.0
» 21	—	—	—	7.7	3.1	0.1	—	—	—	—	—	—	10.9
» 26	—	—	—	—	—	—	—	—	—	1.6	4.1	0.1	5.8
» 28	0.2	—	—	—	—	—	—	—	—	—	—	—	37.7
October. 1	—	—	—	—	—	—	—	—	—	—	0.3	—	0.3
» 2	0.1	—	—	—	—	—	—	—	—	—	—	—	0.8
» 3	—	—	—	—	—	—	0.5	0.3	—	—	—	—	0.8
» 7	—	—	—	—	—	—	—	—	—	—	—	—	1.9
» 9	0.3	6.7	0.2	—	—	—	—	—	—	—	—	—	7.2
» 11	—	—	—	—	—	—	—	—	—	—	—	—	14.5
» 12	—	3.2	0.1	—	—	—	—	—	—	6.2	32.0	14.0	55.9
» 13	—	—	—	—	—	—	—	—	—	—	—	—	9.3
» 16	—	—	—	—	—	0.5	0.1	—	—	—	—	—	0.6
» 20	—	—	—	—	—	—	0.7	3.2	2.4	1.3	0.2	—	7.8
» 21	—	—	—	—	4.4	0.5	—	—	—	—	—	—	4.9
» 23	—	—	—	—	—	—	—	5.6	25.7	0.7	0.1	0.1	32.2
» 27	—	—	—	—	—	—	5.0	4.0	0.1	—	—	—	9.1
» 28	0.1	—	—	—	—	—	—	—	—	—	—	—	0.1
» 29	—	0.3	—	—	—	—	—	—	—	—	—	—	0.3
» 30	—	—	—	—	—	0.1	0.3	—	—	—	—	—	2.3
November. 2	—	—	—	—	8.9	0.5	—	—	—	—	—	—	9.4
» 3	—	—	—	—	—	—	—	—	—	—	—	—	1.5
» 4	—	—	—	—	—	6.5	8.3	0.2	—	—	—	—	15.0

RAIN IN MILLIMETRES.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
November. 5	—	—	—	—	—	—	—	—	—	—	—	—	—
» 6	—	—	—	—	—	—	—	—	—	—	—	—	—
» 7	—	—	—	—	—	—	—	—	—	—	—	—	—
» 8	—	—	—	—	—	—	—	—	—	—	—	—	—
» 9	—	—	—	—	—	—	—	—	—	—	—	—	—
» 10	—	—	—	0.2	0.1	—	—	—	—	—	—	—	—
» 11	—	—	—	—	—	1.4	0.8	1.6	0.6	1.9	12.0	0.2	—
» 14	0.1	0.1	1.7	1.0	0.2	0.1	—	—	—	—	0.2	—	—
» 15	0.4	0.5	0.1	0.1	—	—	—	—	—	—	—	—	—
» 17	—	—	—	—	—	—	—	—	—	—	—	0.5	—
» 18	—	—	—	—	—	—	—	—	—	—	—	0.1	—
» 19	—	—	—	1.2	0.3	0.1	—	—	—	—	—	0.5	—
» 20	—	—	—	—	—	—	—	—	—	—	—	—	—
December. 4	—	—	—	—	—	—	—	—	—	—	—	1.3	—
» 5	—	—	—	—	—	—	—	—	—	—	—	—	—
» 6	0.1	—	—	—	—	—	—	—	—	—	—	—	—
» 8	—	—	—	—	—	—	9.2	0.1	—	—	—	—	—
» 9	0.8	0.2	0.1	—	0.1	—	—	—	—	—	—	—	—
» 13	—	—	—	—	—	—	—	—	—	—	—	—	—
» 15	—	—	—	—	—	—	—	—	—	—	—	—	—
» 17	—	—	—	—	—	—	—	—	—	—	—	—	—
» 18	0.3	0.7	0.6	0.4	0.1	—	—	—	—	—	—	—	—
» 20	—	—	—	—	—	—	—	—	—	—	—	—	—
» 21	—	—	—	—	—	0.4	0.1	—	—	—	—	—	—
» 22	—	—	—	—	—	—	—	—	—	—	—	—	—
» 23	—	—	—	—	—	—	0.2	—	—	0.3	4.7	7.9	—
» 24	—	—	—	—	—	—	—	—	—	3.1	0.1	—	—
» 25	—	—	—	—	—	—	—	—	—	—	—	—	—
» 26	—	—	—	0.3	1.6	0.2	—	—	—	—	—	—	—
» 27	0.2	0.2	0.1	—	—	—	—	—	—	—	1.7	6.0	—
» 29	—	—	—	—	—	—	—	—	—	—	—	—	—
» 30	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
November. 5	—	—	—	—	—	7.7	1.9	4.7	1.7	0.3	0.1	—	16.4
» 6	0.3	0.8	0.1	—	—	—	—	—	—	—	—	—	1.2
» 7	—	—	—	—	—	0.2	—	—	—	—	—	—	0.2
» 8	—	—	—	—	—	—	—	2.6	1.1	0.3	0.1	—	4.1
» 9	—	—	—	—	—	—	—	—	—	0.3	—	—	0.3
» 10	—	—	—	—	—	—	—	—	—	—	—	—	0.3
» 11	0.1	—	0.6	—	—	—	—	—	—	—	—	—	19.2
» 14	—	—	—	—	—	6.2	0.1	—	—	—	—	—	9.7
» 15	0.6	—	—	—	—	—	—	0.2	0.3	0.3	0.1	0.1	2.7
» 17	0.1	0.2	3.5	2.2	0.2	—	—	—	—	—	—	—	6.7
» 18	11.1	0.6	—	0.7	0.8	0.2	—	—	0.6	0.1	—	—	14.2
» 19	0.7	0.4	0.1	—	—	—	—	0.2	0.1	—	—	—	3.6
» 20	—	0.9	0.1	—	—	—	—	—	—	—	—	—	1.0
December. 4	—	—	—	—	—	—	—	—	—	—	—	—	1.3
» 5	—	0.1	—	—	—	—	—	—	—	—	—	—	0.1
» 6	—	—	—	—	—	—	—	—	—	—	—	—	0.1
» 8	—	—	—	1.2	0.1	—	—	—	—	—	0.9	0.1	11.6
» 9	—	—	—	2.4	—	—	—	—	—	—	—	—	3.6
» 13	—	—	18.6	0.2	—	—	—	—	—	—	—	—	18.8
» 15	—	2.9	2.8	0.5	—	—	—	—	—	—	—	—	6.2
» 17	—	—	—	—	0.2	2.2	0.1	—	—	—	—	0.7	3.2
» 18	—	—	—	—	—	—	—	—	—	—	—	—	2.1
» 20	—	0.1	6.0	1.8	0.1	—	—	—	—	—	—	—	8.0
» 21	3.2	4.5	0.1	0.1	—	—	—	—	—	—	—	—	8.4
» 22	—	—	6.0	4.6	0.1	—	—	—	—	—	—	—	10.7
» 23	0.6	0.1	—	0.8	0.4	—	—	—	—	—	—	—	15.0
» 24	7.5	4.6	0.1	—	—	—	—	—	—	—	—	—	15.4
» 25	—	—	—	—	—	19.6	0.1	—	—	—	—	—	19.7
» 26	2.1	0.2	0.3	3.2	0.5	1.0	2.7	1.6	0.5	0.1	0.3	0.2	14.8
» 27	0.2	1.9	6.4	0.1	—	—	—	—	—	—	—	—	16.8
» 29	—	0.6	0.3	—	—	3.5	0.1	—	—	—	—	—	4.5
» 30	—	—	—	21.4	0.2	3.3	0.2	—	—	—	—	—	25.1

MAGNETICAL OBSERVATIONS

BATAVIA

1890.

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30′0 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	13.0	13.0	13.0	12.9	12.6	11.8	10.9	11.6	12.1	12.2	12.6	12.5	—
	2	13.2	13.1	13.0	13.0	12.5	11.9	11.5	11.8	12.1	12.5	13.8	14.8	—
	3	13.1	13.0	12.9	12.6	12.1	10.9	10.6	11.3	12.7	13.5	13.7	13.9	—
	4	13.4	12.5	12.7	11.7	11.7	11.7	11.3	11.0	12.2	12.9	13.7	15.1	—
	5	13.0	13.0	12.9	12.5	12.4	11.7	11.3	10.6	11.6	12.1	12.9	13.5	—
	6	13.2	13.3	13.2	13.1	12.9	12.1	11.4	10.9	11.7	12.1	12.9	13.7	—
	7	12.9	13.1	13.1	13.0	12.9	11.9	11.5	11.0	11.5	12.9	13.2	14.0	—
	8	13.2	13.2	13.2	13.2	13.1	12.6	11.7	11.3	11.0	10.8	10.7	12.2	—
	9	13.2	13.1	13.2	13.0	12.9	12.4	11.5	10.6	10.8	10.9	10.6	12.2	—
	10	13.0	13.1	13.1	13.0	13.2	13.5	13.3	12.1	11.3	10.7	10.3	11.4	—
	11	13.0	12.9	12.9	12.1	11.7	11.6	11.5	12.1	13.2	13.2	14.3	14.3	—
	12	12.9	12.9	12.9	12.6	12.5	12.5	11.9	11.3	10.6	10.9	12.1	13.0	—
	13	13.0	13.0	12.9	12.9	12.6	11.9	11.5	12.1	12.3	11.9	12.6	14.0	—
	14	12.9	13.0	12.6	12.9	12.7	12.1	11.3	10.8	10.6	10.5	11.3	13.1	—
	15	13.1	13.2	13.2	13.2	13.1	12.4	11.3	11.0	11.3	11.9	12.9	13.8	—
	16	13.0	13.1	13.2	13.3	13.2	12.9	12.1	11.0	11.3	10.9	10.9	12.6	—
	17	13.1 *	12.9 *	12.8 *	12.6 *	12.3 *	12.0 *	12.2 *	12.1 *	12.1	12.9	13.2	13.0	—
	18	12.9	12.7	12.7	12.7	12.9	11.5	11.4	10.8	11.8	12.1	12.4	12.4	—
	19	13.0	13.0	12.9	12.5	12.1	11.7	10.8	10.9	11.4	12.1	13.0	14.3	—
	20	13.2	13.1	13.0	13.0	12.5	11.7	10.6	11.3	11.9	12.1	12.4	12.9	—
	21	13.5	13.4	12.6	12.4	12.6	11.1	9.1	8.3	10.2	11.6	13.8	15.1	—
	22	13.0	13.0	12.9	11.9	11.6	10.5	9.5	9.7	10.6	11.1	11.8	13.1	—
	23	13.0	13.1	13.0	13.0	12.7	12.1	10.6	9.7	9.5	10.3	11.7	14.1	—
	24	13.1	13.2	13.1	13.0	13.0	11.8	10.6	9.7	9.9	10.3	11.0	12.4	—
	25	12.9	12.9	12.7	12.7	12.5	11.9	10.7	9.2	9.4	10.3	11.8	13.3	—
	26	13.0	13.0	12.9	12.6	12.1	11.4	10.6	10.7	10.9	11.6	11.9	12.6	—
	27	12.9	12.9	12.9	12.9	12.9	12.5	11.3	9.8	9.8	10.3	10.9	12.6	—
	28	12.9	12.9	12.9	12.7	12.6	12.9	12.6	12.1	12.9	13.2	13.2	13.8	—
	29	12.5	12.5	12.7	12.3	12.2	11.7	10.9	10.7	11.4	11.8	12.4	12.4	—
	30	12.7	12.5	12.5	12.5	12.5	11.9	11.8	11.7	11.6	11.8	12.7	13.3	—
	31	12.9	12.7	12.7	12.5	12.5	11.7	11.4	11.6	11.9	12.9	13.7	13.5	—
Hourly Means.		13.02	12.98	12.91	12.72	12.55	11.95	11.25	10.93	11.34	11.75	12.40	13.32	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	11.8	11.8	12.1	12.9	13.1	13.4	13.9	14.0	13.9	13.8	13.7	13.8	12.77
	2	14.8	14.8	14.7	14.2	13.8	13.2	13.5	13.5	13.7	13.2	13.3	13.1	13.29
	3	14.3	14.7	14.9	15.5	15.1	14.7	14.8	15.0	15.0	14.7	14.8	13.3	13.63
	4	15.6	14.9	14.9	14.7	14.0	13.5	13.9	13.9	13.7	13.5	13.3	13.0	13.28
	5	14.1	14.1	14.3	14.3	14.0	14.1	14.1	13.7	13.5	13.5	13.5	13.1	13.08
	6	14.2	14.8	15.2	14.3	13.7	13.2	13.7	13.2	13.2	13.2	13.4	13.2	13.16
	7	14.3	14.2	14.3	13.9	13.1	13.2	13.8	13.3	13.2	13.2	13.1	13.1	13.07
	8	14.9	15.5	15.4	14.3	13.9	13.8	13.9	13.9	13.9	13.8	13.7	13.2	13.18
	9	13.7	14.5	15.1	14.8	14.3	14.2	14.1	14.0	13.8	13.8	13.4	13.0	13.05
	10	12.9	14.0	14.0	14.1	13.7	13.9	13.7	13.0	13.2	13.2	13.1	13.0	12.91
	11	14.1	15.2	15.2	14.3	13.8	13.3	13.7	13.7	13.3	13.1	12.9	12.9	13.26
	12	14.0	14.3	14.2	13.7	13.2	13.5	13.7	13.5	13.2	12.9	13.0	13.0	12.85
	13	14.3	15.1	15.5	15.0	14.3	14.2	13.9	13.7	13.7	13.7	13.4	13.1	13.36
	14	14.3	14.3	14.2	13.7	13.1	13.1	13.3	13.2	13.2	13.2	13.2	13.1	12.74
	15	14.7	15.0	15.6	14.3	13.8	13.2	13.5	13.7	13.5	13.7	13.3	13.1	13.24
	16	14.0	14.1	13.3	13.2	13.7	13.3	13.8	13.7	13.5	13.2	13.2 *	13.2 *	12.90
	17	13.0	13.5	14.9	14.7	14.6	13.9	13.5	13.3	13.2	13.1	13.0	13.1	13.13
	18	12.4	12.5	13.5	14.1	15.4	14.3	14.2	14.1	13.5	13.5	13.2	13.2	12.93
	19	14.5	14.0	13.3	13.8	14.1	13.5	13.4	13.3	13.3	13.3	13.3	13.2	12.95
	20	13.2	13.5	13.2	13.0	13.3	13.7	13.7	13.7	13.3	13.3	13.4	13.2	12.84
	21	16.0	16.0	15.7	14.7	14.2	14.0	13.9	13.9	13.9	14.0	13.3	13.0	13.18
	22	14.2	14.1	14.3	15.1	14.5	14.0	13.8	13.7	13.7	13.3	13.5	13.1	12.75
	23	14.8	14.8	14.8	14.2	13.2	13.0	13.1	13.2	12.9	12.9	13.2	13.3	12.76
	24	14.1	15.1	15.0	14.3	14.5	14.1	13.9	13.5	13.5	13.3	13.1	13.0	12.85
	25	14.2	14.7	14.7	14.1	13.2	13.1	13.2	13.2	13.2	13.2	13.1	13.0	12.63
	26	13.0	13.4	14.0	13.8	14.0	14.0	13.7	13.3	13.1	13.1	13.0	13.0	12.70
	27	13.7	14.0	14.2	14.5	14.0	13.8	13.7	13.3	13.2	13.1	13.1	12.9	12.72
	28	13.8	13.3	14.2	14.8	15.1	14.3	14.0	14.0	13.5	13.1	13.0	12.9	13.36
	29	12.9	13.2	13.8	13.9	14.0	13.7	13.0	13.2	13.3	13.2	13.1	13.0	12.66
	30	14.2	14.3	14.5	14.7	14.1	13.3	13.2	13.2	13.3	13.1	13.2	13.0	12.98
	31	13.2	13.3	13.0	12.9	13.0	13.1	13.2	13.2	13.2	13.1	13.1	13.0	12.80
Hourly Means.		13.97	14.23	14.39	14.19	13.93	13.66	13.70	13.58	13.47	13.36	13.29	13.10	13.00

* From Wild's Magnetometer.

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	284	285	283	288	285	289	293	301	319	332	332	322	—
	2	289	286	287	288	290	288	295	298	308	321	330	319	—
	3	281	284	284	293	297	300	314	325	335	360	365	336	—
	4	267	288	274	280	280	300	293	304	308	312	318	316	—
	5	275	276	282	284	285	288	292	294	302	310	309	300	—
	6	274	262	292	277	279	283	288	297	300	307	312	314	—
	7	274	273	276	266	272	280	284	288	297	302	305	301	—
	8	279	278	278	280	279	282	284	293	309	323	332	329	—
	9	280	279	283	280	282	285	288	291	297	302	302	292	—
	10	289	286	289	290	289	289	297	306	327	340	341	330	—
	11	283	287	287	297	310	317	325	331	323	332	312	315	—
	12	286	284	282	285	289	292	297	311	324	340	345	335	—
	13	283	284	285	285	287	288	292	302	312	325	327	321	—
	14	290	294	295	298	291	296	300	303	314	322	327	330	—
	15	282	284	282	284	281	283	285	293	308	313	317	314	—
	16	269	268	267	269	279	279	289	293	298	302	302	303	—
	17	281 *	287 *	285 *	287 *	287 *	287 *	286 *	289	299	311	319	318	—
	18	283	288	285	282	280	297	297	292	287	299	300	302	—
	19	288	289	288	291	295	295	298	306	313	312	306	307	—
	20	273	274	277	277	278	282	287	295	300	300	298	294	—
	21	266	264	271	289	278	290	284	286	289	298	305	305	—
	22	279	280	284	292	297	298	288	296	300	302	308	308	—
	23	294	283	280	284	280	286	287	302	311	317	325	312	—
	24	275	275	279	283	281	287	289	292	293	299	308	297	—
	25	295	300	302	287	289	291	289	298	297	303	312	314	—
	26	291	285	284	283	290	296	297	303	312	313	317	321	—
	27	288	289	294	295	294	297	301	307	313	312	319	322	—
	28	293	289	292	295	291	292	290	288	288	298	311	316	—
	29	297	297	293	297	298	300	306	311	310	316	318	323	—
	30	290	291	288	291	289	292	292	292	293	295	296	292	—
	31	291	292	292	293	295	295	300	307	312	317	317	328	—
Hourly Means.		282.9	283.3	284.5	286.1	287.0	291.1	293.8	299.8	306.4	314.0	317.3	314.1	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	308	292	288	283	283	285	284	283	283	285	284	284	294.0
	2	308	297	287	284	283	283	283	286	280	284	279	280	293.0
	3	322	297	278	266	254	250	249	266	270	266	269	266	292.8
	4	290	280	278	269	266	266	270	273	276	276	273	288	285.2
	5	290	285	279	275	280	283	279	289	285	286	273	274	286.5
	6	302	292	285	287	286	283	288	277	265	272	269	269	285.8
	7	293	286	275	268	269	272	276	275	275	276	274	279	280.7
	8	319	311	299	290	284	281	283	282	278	278	279	280	292.1
	9	288	289	282	282	285	288	284	283	284	283	283	284	286.5
	10	320	308	296	287	283	277	280	288	278	280	279	282	297.1
	11	317	284	277	283	279	274	280	282	278	278	278	284	296.4
	12	317	311	302	297	293	288	283	276	270	271	273	278	297.0
	13	312	307	302	298	294	289	292	295	302	292	287	288	297.9
	14	322	304	293	295	283	283	274	274	275	280	280	279	295.9
	15	315	316	292	291	288	285	288	290	289	283	279	267	292.0
	16	297	294	297	280	274	278	282	282	279	281	282	284 *	284.5
	17	308	294	291	290	288	285	283	283	283	287	288	286	291.8
	18	289	279	276	270	242	255	258	274	280	280	285	289	282.0
	19	293	287	286	278	271	276	278	274	270	271	271	270	288.0
	20	287	282	279	279	279	284	282	282	284	272	267	269	282.5
	21	300	288	283	273	268	273	271	273	279	284	284	272	282.2
	22	297	292	279	269	269	278	275	276	274	269	273	287	286.3
	23	301	301	292	282	278	274	283	282	283	290	273	269	290.4
	24	285	281	282	282	277	278	275	275	274	276	279	288	283.8
	25	308	303	298	294	290	285	280	279	283	282	283	288	293.8
	26	311	301	296	292	290	292	288	288	289	287	288	288	295.9
	27	317	316	303	293	295	296	295	297	296	293	293	293	300.8
	28	312	303	303	300	297	285	276	278	282	288	290	292	293.7
	29	311	301	289	293	293	290	290	291	291	284	282	289	298.8
	30	294	303	300	295	293	292	285	284	284	288	288	290	291.5
	31	323	312	309	306	302	302	302	297	296	295	292	293	302.8
Hourly Means.		305.0	296.6	289.5	284.9	281.2	281.0	280.5	281.7	281.1	281.2	279.9	281.6	291.0

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* From Wild's Magnetometer.

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	560	560	560	557	560	562	560	541	537	533	533	539	—
	2	555	557	557	556	555	557	552	543	545	534	524	527	—
	3	571	569	569	564	564	569	557	538	530	532	544	551	—
	4	575	566	572	574	570	560	564	548	545	546	540	529	—
	5	566	565	561	560	560	564	563	557	542	538	534	539	—
	6	569	573	555	564	564	564	565	555	538	530	533	543	—
	7	564	564	564	563	563	565	564	557	551	543	545	552	—
	8	570	574	566	570	566	566	563	563	556	548	538	532	—
	9	559	559	557	556	556	552	557	554	534	519	513	500	—
	10	563	564	561	563	561	562	565	532	539	541	548	551	—
	11	555	554	554	552	549	548	550	564	561	550	536	538	—
	12	560	559	557	551	545	542	542	537	533	514	504	508	—
	13	547	546	543	543	543	545	534	508	511	510	506	502	—
	14	548	546	545	542	547	547	552	543	534	515	492	485	—
	15	542	542	542	540	542	545	543	521	518	507	509	501	—
	16	546	545	543	540	534	536	537	555	552	547	527	515	—
	17	562*	560*	561*	560*	562*	563*	569*	547	543	525	523	528	—
	18	542	540	542	542	542	537	537	531	534	525	519	507	—
	19	536	536	536	535	533	536	533	521	509	510	518	516	—
	20	536	534	533	534	534	538	533	516	510	507	501	502	—
	21	545	543	540	532	538	537	548	537	528	510	497	501	—
	22	543	542	540	537	536	544	545	529	519	510	503	497	—
	23	529	537	538	534	537	537	537	517	511	499	483	479	—
	24	542	540	538	534	534	537	540	538	532	521	515	513	—
	25	528	527	526	533	532	533	538	524	516	499	479	478	—
	26	524	525	525	524	520	521	518	525	518	512	517	510	—
	27	530	529	523	521	522	521	525	505	492	487	470	460	—
	28	515	516	511	509	511	504	510	506	489	488	480	478	—
	29	502	502	502	501	498	500	497	498	497	483	471	465	—
	30	508	509	510	508	507	507	505	501	493	482	470	450	—
	31	506	506	506	506	505	510	501	488	482	470	468	468	—
Hourly Means.		545.1	544.8	543.1	542.1	541.6	542.2	542.1	532.1	525.8	517.3	511.0	508.5	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	551	548	552	555	560	557	560	561	561	561	560	560	553.7
	2	541	547	560	565	573	577	575	573	575	574	574	574	557.1
	3	563	576	584	579	584	599	593	579	575	578	578	578	567.7
	4	547	561	574	584	584	580	574	570	568	567	569	561	563.7
	5	550	556	566	565	566	562	565	564	565	565	573	570	559.0
	6	554	560	573	579	574	566	567	568	569	569	569	566	561.1
	7	552	557	555	562	574	573	568	574	579	575	573	570	562.8
	8	528	521	523	531	540	547	555	560	560	561	561	561	552.5
	9	500	520	543	555	564	566	565	565	567	567	565	564	548.1
	10	560	560	568	570	568	563	561	560	559	558	554	555	557.8
	11	542	550	561	572	575	573	568	564	566	565	565	561	557.2
	12	514	524	543	552	552	552	554	557	560	561	556	551	542.8
	13	501	505	509	524	537	543	544	543	540	548	551	549	530.5
	14	502	521	538	547	560	552	555	553	551	545	543	543	537.8
	15	493	500	518	533	540	540	538	536	537	540	543	548	529.9
	16	516	538	560	570	569	566	560	561	561	560	560	560*	548.3
	17	535	536	534	538	547	551	548	547	545	543	543	542	546.3
	18	506	511	515	522	546	548	547	540	538	537	536	534	532.4
	19	529	540	537	538	540	541	541	542	543	542	541	539	533.0
	20	511	525	534	533	527	529	533	538	539	543	546	543	528.3
	21	502	516	524	540	547	545	545	547	545	542	545	551	533.5
	22	501	506	511	520	534	537	540	541	541	546	543	537	529.3
	23	499	502	522	532	542	542	536	538	540	536	546	546	525.8
	24	518	528	529	535	541	538	538	539	539	538	537	530	533.1
	25	486	497	502	515	524	527	529	533	529	529	528	525	518.2
	26	516	515	520	523	523	527	531	533	532	533	533	530	523.1
	27	463	482	497	511	515	515	514	515	516	516	516	516	506.7
	28	483	487	483	492	504	518	518	518	511	509	506	506	502.2
	29	466	470	465	466	483	498	509	509	507	512	516	513	492.9
	30	448	452	470	487	497	505	510	511	510	506	507	506	494.1
	31	469	488	491	493	500	502	504	506	507	507	508	506	495.7
Hourly Means.		514.4	522.5	531.0	538.3	544.8	546.4	546.6	546.6	546.3	546.2	546.6	545.0	536.3

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* From Wild's Magnetometer.

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30'.0 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	12.8	12.7	12.5	12.3	12.1	11.5	10.7	10.7	11.4	11.6	12.8	13.2	—
	2	12.8	12.9	12.9	12.9	12 5	11.6	10.6	10.7	12.5	12.4	12.7	13.0	—
	3	12.8	12.8	12.5	12.4	12.2	11.6	10.7	9.6	9 5	11.6	12.7	12.8	—
	4	12.0	12.2	12.0	12.7	12.1	11.6	10 8	10.6	11.9	12 7	12.9	13.1	—
	5	12.8	12.7	12.7	12.8	12.4	11.7	10.8	10.6	10.8	11.9	12.9	13.5	—
	6	12.9	13.0	12.5	12.3	12.4	12.0	10.7	9.6	10.4	11.4	12.3	12.9	—
	7	12.1	12.7	12.5	12.1	11.9	11.4	10.0	9.1	9.6	11.6	14.6	15.5	—
	8	12.7	12.7	12.7	12.5	12.5	11.7	10.5	9.5	9.2	9.7	11.6	13.2	—
	9	12.8	12.9	12.9	12.9	12.7	12.5	12.1	10.6	9.8	10.3	11.7	13.9	—
	10	12.7	12.7	12.7	12.5	12.5	12.0	10.9	9.6	9.6	10.3	11.5	12.5	—
	11	12.0	12.0	12.0	11.9	11.9	11.6	10.9	10.7	10.7	10.7	11.5	12.4	—
	12	12.4	12.0	11.9	11.9	11.9	11.4	10.5	10.1	10.8	10.8	11.9	12.4	—
	13	12.1	12.0	12.0	12.0	11.9	11.2	10.6	10.4	10.7	10.8	11.6	12.4	—
	14	12.4	12.1	12.4	12.3	12.5	12.5	12.3	11.6	11.3	11 2	11.4	11.7	—
	15	12.2	12.2	12.3	12.5	12.5	12.1	11.7	10.8	10.8	10.7	11.2	12.3	—
	16	13.1	12.7	13.0	12.9	12.8	12.1	11.7	10.8	10.9	11.5	11.2	11.2	—
	17	12.4	12.4	12.3	12.4	12.3	11.6	10.9	10.8	11.6	11.9	11.7	12.3	—
	18	12.3	12.3	12.4	12.5	12.0	11.6	11.1	10.7	11.2	11.2	11.9	12.8	—
	19	12.1	12.5	12.3	12.8	11.9	11.4	10.6	10.4	10.3	10.6	11.5	12.4	—
	20	12.4	12.3	12.7	12.5	12.5	11.6	10.8	10.7	11.5	11.7	12.0	12.4	—
	21	11.9	12.1	12.1	12.2	12.3	11.9	10.7	10.4	10.5	10.9	12.4	13.0	—
	22	12.9	12.8	12.8	12.8	12.5	12.0	10.9	10.3	10.0	10.7	11.7	12.9	—
	23	12.3	12.4	12.5	12.8	12.7	12.4	12.0	12.0	11.9	12.4	12.9	13.9	—
	24	12.3	12.4	12.1	12.0	11.9	11.6	10.8	9.7	10.0	10.6	12.7	12.5	—
	25	12.1	12.0	12.0	12.0	11.9	11.7	10.9	10.4	10.1	10.7	11.7	13.0	—
	26	12.5	12.4	12.5	12.3	12.3	12.0	11.3	9.7	9.6	10.1	10.5	11.4	—
	27	12.1	12.0	12.0	11.9	11 7	11.4	10.8	10 4	10 6	11.2	12.0	13.0	—
	28	11.9	11.9	12.0	11.7	11.9	11.7	11.2	10.1	9.8	10.6	11.6	11.9	—
Hourly Means.		12.42	12.42	12.40	12.39	12.24	11.76	10.98	10.38	10.61	11.14	12.04	12.77	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	13.8	13.5	13.5	13.0	13.1	13.6	13.8	13.5	13.1	12.9	12.9	12.9	12.66
	2	13.2	13.5	14.1	14.6	14.0	13.5	13.0	13.0	13.0	13.0	13.0	12.9	12.85
	3	13.7	13.6	13.8	13 6	13 2	13.2	13.0	13.0	13.2	12.9	12.9	12.8	12.50
	4	13.6	13.1	13.0	12.9	13.0	13 2	12.9	13.1	13.1	12.9	12.9	12.8	12.55
	5	13.6	13.2	13.6	13.5	13.7	13.1	13 0	13.1	13.0	12 9	12.9	12.9	12 67
	6	14.0	14.4	14.4	14.0	13.5	13.0	12.9	12.9	12.9	12.8	12.7	12.8	12.61
	7	16.4	16.0	14.9	14.4	13 9	13.2	12.9	12.7	12.7	12.5	12.8	12.5	12.83
	8	14.1	14.8	44.9	14.2	14.0	13.8	13 6	13.2	13.1	13.0	12.9	13.0	12.63
	9	14.9	14.8	14.7	13.7	12.9	12.8	12.9	12 8	12.9	12.8	12.8	12.7	12.74
	10	13.6	14.1	14.4	13.9	13.0	12.8	12.8	12.7	12.5	12.5	12.4	12.0	12. 4
	11	13.1	13.7	13 9	13.5	13.1	13.0	13.0	12.9	12.8	12.7	12.7	12.5	12.30
	12	13.0	13.5	14.1	14.0	13.1	12.8	12.4	12.8	12.7	12.5	12.7	12.1	12.24
	13	13.1	13.8	14.2	14.2	14.2	13.7	12.9	12.8	12.8	12.8	12.5	12.1	12.37
	14	12.4	12.8	13.0	14.0	14.2	13.8	12.9	12.8	12.7	12.5	12.4	12.2	12 48
	15	12.9	13.2	13.7	13 9	13.8	13.7	13.1	13.1	12.9	13.0	12.9	12.8	12.51
	16	12.0	12.9	13.1	13.2	13.1	13.0	12.9	12.8	12.8	12 7	12.5	12.3	12.38
	17	13.2	13.5	13.6	13.2	13.1	13.5	13.0	12.8	12.8	12.5	12.5	12.4	12.45
	18	13.2	13.9	13.8	13.3	13.1	13.1	12.9	12.8	12.8	12.5	12.7	12.0	12.42
	19	13.8	13.8	13.1	13.1	13.0	13.1	12.9	12.9	12.8	12.8	12.9	12.8	12.33
	20	13.0	13.9	14.0	12.9	12.8	12.9	12.7	12.9	12.0	12.0	12.5	12.0	12.36
	21	14.0	14.1	14.7	14 1	13.8	13.1	13.0	13.1	13.0	12.9	12.8	12.8	12.58
	22	13.7	14.0	14.0	13.6	13.0	13.0	12.8	12.8	12.7	12.7	12.4	12.5	12.48
	23	14.2	14.2	14.1	13.9	13.1	13 0	12.8	12 9	12.8	12 7	12.5	12.5	12 87
	24	13.7	14.1	14.0	13.7	13.2	12 9	12 8	12.7	12.7	12.4	12.4	12.3	12.31
	25	14.2	14.8	14.8	14.1	13.8	12.9	12.7	12.5	12.5	12.5	12.5	12.3	12.42
	26	12.4	12.9	13.1	13.7	13.9	13.1	12 7	12.4	12.3	12.0	12.0	12.1	12.05
	27	14.0	13.9	14.2	14.4	14.1	13.5	12.9	12.8	12.8	12 5	12.3	12.1	12.44
	28	12.0	12.8	12.9	13.0	13.1	13.1	12.8	12.7	12.8	12.5	12.4	12.1	12.02
Hourly Means.		13.53	13.81	13.91	13.70	13.42	13.19	12.93	12.88	12.79	12.66	12.64	12.47	12.48

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	297	297	297	298	300	298	299	303	302	306	312	309	—
	2	288	282	300	293	294	297	303	312	318	328	328	327	—
	3	290	293	298	301	303	307	314	323	331	335	336	339	—
	4	279	286	282	286	291	287	294	301	302	312	313	306	—
	5	292	291	295	292	293	293	293	302	312	312	318	317	—
	6	297	293	300	292	293	297	296	312	331	341	338	332	—
	7	295	291	288	291	292	291	293	302	309	319	326	321	—
	8	293	293	296	297	297	298	306	312	322	329	330	324	—
	9	295	298	297	298	292	294	295	311	322	336	336	328	—
	10	294	294	296	297	298	300	302	308	319	330	340	342	—
	11	295	297	299	303	303	304	306	314	322	326	330	331	—
	12	298	316	310	315	303	306	311	315	316	332	318	318	—
	13	275	276	281	282	281	287	284	290	293	302	306	304	—
	14	285	292	292	291	295	292	290	292	289	289	292	290	—
	15	288	284	289	288	285	294	284	284	287	285	283	288	—
	16	282	278	274	284	282	284	280	288	292	292	298	300	—
	17	269	270	275	274	278	279	293	302	309	318	317	312	—
	18	277	277	274	278	282	280	290	302	302	312	312	308	—
	19	254	260	264	266	273	280	279	287	302	297	288	295	—
	20	261	261	260	265	267	274	283	292	300	302	302	302	—
	21	269	266	263	266	265	269	275	288	302	314	320	318	—
	22	273	270	268	269	268	269	277	283	297	304	309	303	—
	23	269	269	271	269	279	281	273	283	290	294	302	298	—
	24	274	278	279	284	283	287	290	295	303	313	316	313	—
	25	280	279	282	279	285	286	287	287	297	302	310	308	—
	26	279	279	282	282	284	285	289	297	303	309	319	325	—
	27	292	292	291	290	297	298	305	310	316	322	330	333	—
	28	274	269	270	273	277	284	285	289	297	304	306	305	—
	Hourly Means.	282.6	283.3	284.8	285.8	287.1	289.3	292.0	299.4	306.6	313.0	315.5	314.1	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	312	311	306	308	310	304	298	297	301	295	293	293	301.9
	2	319	317	312	299	293	293	291	291	289	285	287	290	301.5
	3	333	317	305	298	290	288	287	279	266	288	288	284	303.9
	4	298	290	288	284	283	285	288	287	287	293	293	291	291.9
	5	312	306	300	298	295	297	295	294	291	292	292	297	299.1
	6	317	302	292	285	289	297	298	298	298	298	294	298	303.7
	7	303	298	292	293	291	292	293	293	292	289	288	293	297.3
	8	318	312	299	297	299	311	306	308	300	302	303	292	306.0
	9	313	312	309	302	295	295	294	294	294	293	293	293	303.7
	10	332	323	310	303	299	297	297	297	294	297	297	297	306.8
	11	322	315	312	302	302	297	296	298	300	302	297	298	307.1
	12	308	300	290	282	279	279	283	284	274	278	274	275	298.5
	13	297	290	283	279	279	282	284	285	286	283	283	288	286.7
	14	289	291	287	275	275	278	273	279	285	285	284	288	286.6
	15	284	288	282	282	278	274	275	276	270	272	264	269	281.4
	16	294	289	285	278	274	273	269	269	269	269	271	270	281.0
	17	300	292	287	279	274	269	269	273	271	271	269	268	284.1
	18	295	297	288	278	273	252	263	267	270	268	250	258	281.4
	19	276	268	276	269	254	254	261	263	262	255	246	249	269.9
	20	288	265	255	250	269	271	268	269	264	266	258	265	273.2
	21	306	297	280	269	269	270	268	267	266	273	268	269	279.9
	22	298	285	273	269	269	269	273	275	271	265	266	267	277.9
	23	285	280	274	269	269	272	275	274	282	276	275	274	278.5
	24	309	298	288	280	273	276	278	278	276	278	278	278	287.7
	25	302	293	286	280	279	278	276	278	279	280	282	282	286.5
	26	322	316	308	295	286	285	284	284	283	287	292	290	294.4
	27	327	312	297	284	276	275	275	269	252	263	273	274	293.9
	28	301	289	287	284	282	283	283	280	274	278	278	276	284.5
	Hourly Means.	305.7	298.3	291.1	284.7	282.3	282.0	282.1	282.4	280.2	281.5	279.9	280.9	291.0

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.9700 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	592	590	591	588	588	594	588	582	573	558	545	556	—
	2	595	597	584	588	588	592	585	563	549	553	548	539	—
	3	577	574	570	569	568	573	566	548	529	513	515	514	—
	4	565	558	561	554	552	558	552	555	545	529	529	547	—
	5	565	564	560	561	561	565	566	552	529	515	511	513	—
	6	560	562	561	565	566	564	577	582	563	557	556	558	—
	7	556	556	557	555	555	558	556	546	524	492	476	497	—
	8	551	551	549	549	549	554	557	546	533	516	498	494	—
	9	549	546	544	542	546	542	552	556	549	531	507	509	—
	10	557	556	555	554	552	547	563	571	559	541	524	515	—
	11	563	562	558	556	555	557	558	556	555	548	533	537	—
	12	570	558	564	561	566	565	563	566	562	553	563	564	—
	13	590	589	585	582	581	581	582	573	568	558	558	561	—
	14	590	589	588	590	586	588	596	606	607	599	586	580	—
	15	599	603	599	598	599	596	606	610	602	595	578	569	—
	16	603	606	607	601	599	602	605	550	545	541	542	542	—
	17	581	580	573	574	572	577	572	568	563	559	556	553	—
	18	590	589	590	590	588	595	590	587	585	572	564	561	—
	19	613	607	603	599	597	599	605	597	586	577	579	577	—
	20	606	607	606	603	602	603	603	586	572	573	572	572	—
	21	597	597	598	595	594	596	597	586	573	563	555	553	—
	22	598	699	599	598	598	598	596	582	572	565	562	563	—
	23	605	603	599	601	594	594	599	605	597	590	590	586	—
	24	607	605	603	597	598	601	599	598	583	566	558	537	—
	25	603	603	602	603	597	597	599	606	595	586	573	566	—
	26	607	607	605	606	603	604	605	598	585	578	574	570	—
	27	599	599	599	598	594	594	586	580	565	556	550	550	—
	28	603	603	604	598	596	590	590	596	581	573	573	582	—
	Hourly Means.	585.4	584.3	582.5	581.3	580.1	581.6	582.6	576.8	566.0	555.6	549.1	548.8	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	556	561	565	568	570	579	591	592	592	595	595	592	579.2
	2	542	547	556	568	578	583	584	583	584	583	582	578	572.9
	3	520	535	543	551	561	563	565	569	576	561	559	561	553.3
	4	565	570	573	569	568	569	572	570	572	566	566	568	559.7
	5	522	527	536	539	549	554	559	561	565	563	560	557	548.1
	6	559	565	570	573	570	561	563	563	562	560	562	558	564.0
	7	507	524	546	548	548	553	556	557	558	558	558	554	541.5
	8	492	499	513	525	531	531	539	540	548	548	546	550	533.7
	9	542	548	555	566	572	565	563	562	560	560	560	558	549.3
	10	526	533	548	556	564	566	566	566	566	564	565	564	553.3
	11	540	545	556	564	571	570	570	568	568	568	571	570	558.3
	12	571	570	578	582	590	594	590	588	595	594	594	590	574.6
	13	566	572	577	580	582	590	589	590	590	592	593	590	580.0
	14	577	583	589	597	603	607	612	609	604	604	603	603	595.7
	15	572	580	590	594	599	606	610	612	614	613	618	613	599.0
	16	533	541	555	569	574	580	585	586	585	583	581	581	574.8
	17	555	556	563	581	589	596	597	596	597	596	597	597	577.0
	18	562	559	578	598	606	620	614	612	609	612	620	614	591.9
	19	586	597	594	596	614	615	607	612	613	618	622	618	601.3
	20	577	601	606	605	596	594	596	598	604	605	606	601	595.6
	21	558	573	595	602	606	604	606	607	607	603	605	603	590.5
	22	565	580	604	612	611	606	605	606	607	612	612	607	594.0
	23	602	612	620	620	615	612	609	609	605	607	611	611	604.0
	24	556	566	590	597	605	607	606	607	607	606	605	606	592.1
	25	563	573	591	604	611	614	613	611	609	607	607	606	597.5
	26	568	577	586	590	599	606	607	606	606	604	599	603	595.5
	27	559	572	586	598	611	614	611	614	621	612	603	599	590.4
	28	586	593	603	604	605	605	606	609	614	612	612	612	597.8
	Hourly Means.	554.5	562.8	573.8	580.6	585.6	588.0	589.0	589.4	590.6	589.5	589.7	588.0	577.3

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30'0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	12.1	12.1	12.1	12.0	12.0	11.7	10.6	9.7	9.7	11.1	12.4	13.2	—
	2	12.2	12.4	12.1	12.1	11.9	11.0	10.1	9.0	8.7	10.4	12.9	14.6	—
	3	12.4	12.4	12.6	12.2	12.1	11.7	10.4	9.3	9.7	11.4	13.2	14.4	—
	4	12.0	12.3	12.4	12.2	12.1	11.8	11.3	10.4	9.9	10.3	10.9	11.9	—
	5	12.4	12.6	12.4	12.1	12.0	11.8	11.4	11.0	11.5	12.9	13.6	14.0	—
	6	12.7	12.7	12.7	12.4	12.4	11.8	11.1	9.7	10.3	11.4	12.4	13.1	—
	7	12.8	12.6	12.2	12.1	12.0	11.8	10.6	9.9	9.8	11.0	12.7	13.9	—
	8	12.7	12.2	11.9	12.1	12.0	11.3	10 9	10.4	10.6	11.0	14.2	15.4	—
	9	12.1	12.0	12.1	12.0	11.9	11.5	11.0	10.3	10.2	11.7	12.1	13.1	—
	10	12.6	12.4	12.1	12.0	12.0	11.9	11.8	11.8	12.0	12.4	13.0	13.2	—
	11	12.3	12 6	12.4	12.1	11.9	11.9	11.3	10.2	9.5	10.2	10.9	11.9	—
	12	12.7	12.8	12.6	12.6	12.6	12.6	12.4	11.0	10.6	11.4	11.8	11.9	—
	13	12.4	12.8	12.7	12.7	12.6	12.7	12.0	10.7	9.8	10.4	11.0	12.1	—
	14	12.1	12.2	12.1	12.2	12.4	11.9	11.7	10.6	10.7	11.0	11.9	12.9	—
	15	12.2	12.1	12.0	12.1	12.1	12.1	12.6	12.1	12.2	12.8	13.2	13.1	—
	16	12.6	12.6	12.6	12.7	12.1	12.8	12.7	12.0	11.0	11.9	13.1	12.6	—
	17	12.4	12.6	12.7	12.6	12.1	12.1	11.9	12.0	12.1	12.7	12.1	12.1	—
	18	12.1	12.2	12.1	12.1	12.6	12.8	13.0	12.1	12.6	12.0	12.6	11.9	—
	19	12.1	12.1	12.6	12.4	12.6	12.9	13.0	12.0	11.9	11.5	11.9	12.9	—
	20	12.4	12.6	12.1	12.0	12.1	12.1	11.8	11.1	10.9	11.0	11.4	11.7	—
	21	12.1	12.1	12.1	12.0	12.2	12.6	12.0	12.0	11.4	11.9	12.6	13.0	—
	22	12.1	12.1	12.0	12.0	12.0	12.0	11.9	10.7	10.6	10.7	11.4	12.4	—
	23	12.2	12.4	12.1	12.1	12.0	12.0	11.9	11.7	11.0	11.0	11.8	12.6	—
	24	12.6	12.6	12.4	12.3	12.0	11.9	11.9	11.8	11.8	12.0	13.0	13.1	—
	25	12.7	12.7	12.7	12.6	12.6	12.1	12.1	11.5	11.3	11.0	11.2	12.0	—
	26	12.4	12.7	12.4	12.4	12.3	12.6	12.1	11.0	10.9	10.9	11.0	11.9	—
	27	12.4	12.6	12.6	12.6	12.1	12.7	12.4	11.4	10.3	9.8	10.7	11.9	—
	28	12.9	12.7	12.6	12.4	12.1	12.6	12.7	11.7	11.0	10.9	11.4	12.1	—
	29	12.4	12.6	12.4	12.2	12.1	12.4	12.8	12.3	11.9	12.0	12.6	13.1	—
	30	12.2	12.2	12.1	12.0	12.0	12.0	11.9	10.9	10.9	11.0	11.3	11.9	—
	31	12.1	12.1	12.1	11.9	12.0	12.1	11.9	11.0	10.5	10.6	11.3	11.9	—
Hourly Means.		12.37	12.42	12.32	12.23	12.16	12.10	11.78	11.01	10.82	11.30	12.12	12.77	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	14.2	14.3	14.0	13.8	13.4	13.2	13.0	13.0	12.9	12.8	12.7	12.7	12.45
	2	15.4	14.8	15.4	13.9	13.6	13.1	13.0	13.0	12.8	12.7	12.6	12.2	12.50
	3	15.0	15.0	14.3	13.4	13.1	13.0	12.9	12.6	12.7	12.4	12.2	12.1	12.52
	4	12.9	14.2	14.3	13.2	13.2	13.4	13.0	12.9	12.9	12.2	12.6	12.4	12.28
	5	14.3	14.3	13.2	12.9	13.0	12.9	12.9	12.9	12.9	12.8	12.7	12.9	12.73
	6	13.8	13.4	13.1	12.6	12.9	12.9	13.0	12.9	12.9	12.7	12.8	12.8	12.44
	7	15.0	15.0	13.7	12.9	12.7	12.8	13.0	12.9	12.9	12.8	12.8	12.8	12.53
	8	15.8	15.4	14.4	13.6	13.2	13.0	12.9	12.8	12.7	12.4	12.4	12.2	12.73
	9	13.7	13.8	13.6	13.2	13.4	13.1	12.9	12.9	12.9	12.7	12 8	12.2	12.38
	10	13.7	13.7	13.2	13.1	13.0	12.9	13.0	12.9	12.9	12.7	12.7	12.1	12.63
	11	13.2	14.2	14.3	13.9	13.2	12.8	12.6	13.0	12.9	12.7	12.4	12.4	12.28
	12	13.0	13.2	14.3	14.0	14.0	13.9	13.2	13.1	13.0	11.8	12.2	12.4	12.63
	13	13.0	14.0	14.4	14.0	13.7	13.9	13.2	13.0	12.7	12.4	12.1	12.1	12.52
	14	14.0	14.2	14.3	13.6	13.6	13.2	12.9	12.7	12.6	12.6	12.6	12 4	12.52
	15	13.5	13.9	13.9	13.9	13.2	13.0	12.9	13.0	12.7	12.8	12.8	12.4	12.78
	16	12.9	13.0	12.9	12.9	13.0	12.9	12.7	12.7	12.4	12.4	11.8	11.8	12.50
	17	12 0	12.6	12.8	13.1	13.8	13.2	13.1	12.9	12.6	12.4	12.2	12.3	12.52
	18	12.1	11.8	12.6	12.8	13.1	12.9	12.9	12.7	12.6	12.6	12.2	12.0	12.43
	19	12.9	12.4	12.0	11.9	12.4	13.0	12.9	12.8	12.7	12.6	12.6	12.4	12.44
	20	11.7	12.0	12.0	12.0	12.4	12.9	12.8	12.7	12.6	12.6	12.2	12.2	12.05
	21	13.2	13.2	13.7	13.1	13.1	13.0	12.8	12.6	12.4	12.4	12.4	12.0	12.50
	22	13.0	13.9	14.0	13.0	12.9	12.7	12.0	12.0	12.1	11.7	12.0	12.1	12.14
	23	12.9	13.1	13.0	12.8	12.9	12.6	12.6	12.1	12.1	12.1	12.2	12.1	12.22
	24	13.7	14.3	14.0	13.2	13.0	12.9	12.3	12.6	12.6	12.0	12.4	12.1	12.60
	25	12.7	13.2	13.2	13.1	13.1	12.9	12.7	12.9	12.7	12.4	12.4	12.4	12.43
	26	13.6	14.2	14.2	13.9	13.4	13.0	12.8	12.9	12.8	12.7	12.4	12.2	12.53
	27	12.9	13.7	14.0	13.2	13.1	13.0	12.7	12.7	12.7	12.6	12.6	12.8	12.40
	28	13.0	13.7	13.9	13.7	13.7	13.2	12.8	12.4	12 4	12.6	12.4	12.4	12.55
	29	13.2	13.4	13.1	12.8	12.8	12.9	12.7	12.6	12.7	12.6	12.4	12.2	12.59
	30	11.9	12.1	12.9	13.2	13.2	12.9	12.7	12.4	12.4	12.1	12.1	12.2	12.10
	31	12.1	12.0	12.1	12.1	12.3	12.6	12.4	12.3	12.2	12.2	12.2	12.1	11.92
Hourly Means.		13.36	13.61	13.57	13.19	13.14	13.02	12.82	12.74	12.66	12.47	12.42	12.30	12.45

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36800 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	305	307	307	309	311	311	311	315	325	336	341	346	—
	2	305	308	308	311	311	314	309	313	325	330	336	336	—
	3	294	299	297	300	299	298	304	317	333	349	359	352	—
	4	301	304	304	306	307	308	314	323	332	341	349	354	—
	5	297	300	301	302	302	303	306	318	330	341	350	352	—
	6	302	302	303	307	305	317	325	340	346	348	343	333	—
	7	297	298	303	306	305	306	308	321	338	343	345	345	—
	8	312	317	311	305	297	298	316	319	330	330	327	327	—
	9	301	297	299	301	304	308	316	329	345	354	359	352	—
	10	295	295	297	297	299	301	307	320	332	345	352	352	—
	11	302	299	303	315	312	303	302	302	320	316	330	326	—
	12	292	289	292	294	295	296	299	312	327	325	336	339	—
	13	289	290	292	292	300	288	290	297	306	314	318	312	—
	14	294	288	292	292	293	293	296	309	318	327	333	318	—
	15	302	297	296	293	299	300	304	310	323	320	318	323	—
	16	296	296	293	294	302	293	298	298	306	301	312	312	—
	17	259	260	274	283	289	287	297	307	309	306	322	316	—
	18	312	293	280	285	288	296	299	300	308	303	311	307	—
	19	280	280	293	288	284	288	292	302	305	316	321	318	—
	20	282	282	283	288	288	288	289	298	307	309	311	313	—
	21	283	285	287	289	290	290	290	293	303	316	323	323	—
	22	283	284	290	291	292	293	293	301	307	318	327	330	—
	23	275	278	283	285	288	293	294	300	302	306	304	309	—
	24	283	281	283	285	288	290	294	304	318	328	339	346	—
	25	283	284	284	292	294	296	302	307	315	322	327	335	—
	26	288	287	293	294	302	297	302	315	321	330	349	348	—
	27	296	295	299	297	299	305	316	320	324	336	346	351	—
	28	294	307	302	303	304	307	312	317	326	337	345	341	—
	29	302	301	302	304	306	306	315	321	327	336	339	337	—
	30	303	306	306	306	306	307	311	320	327	336	342	342	—
	31	304	306	308	310	311	314	316	321	327	336	345	347	—
Hourly Means.		293.9	294.0	295.6	297.5	299.0	299.8	304.1	311.9	321.4	327.6	334.2	333.6	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	340	330	317	312	308	308	306	304	304	300	301	308	315.1
	2	339	335	328	316	309	307	304	306	305	302	294	296	314.5
	3	339	324	309	302	301	297	296	298	297	297	296	294	310.5
	4	350	335	321	311	302	291	291	292	287	295	289	294	312.5
	5	342	328	316	311	300	303	299	297	299	300	301	303	312.5
	6	316	321	311	306	304	299	293	295	301	301	302	296	313.2
	7	333	322	314	314	311	311	310	309	311	306	308	311	315.6
	8	321	323	315	310	306	306	302	301	301	299	298	301	311.3
	9	335	324	305	297	292	293	290	288	284	292	287	290	310.1
	10	342	335	316	308	303	298	298	300	300	300	297	299	312.0
	11	320	304	283	279	283	288	287	284	288	284	289	292	300.5
	12	328	311	301	292	288	291	288	288	283	291	278	283	300.8
	13	303	287	280	273	273	271	266	278	279	273	274	283	288.7
	14	315	305	291	283	283	279	283	283	282	283	287	294	296.7
	15	316	304	297	293	288	287	289	287	299	298	294	297	301.4
	16	298	286	279	278	280	283	282	279	268	260	269	279	289.3
	17	316	303	290	283	279	272	279	288	292	294	292	287	291.0
	18	297	286	267	271	268	279	279	278	272	263	261	279	286.8
	19	307	306	302	293	288	283	283	281	276	279	278	280	292.6
	20	313	301	292	289	288	288	288	283	284	277	277	278	291.5
	21	310	303	289	284	283	283	283	284	284	284	283	283	292.7
	22	328	311	292	284	279	284	287	288	283	284	282	277	295.3
	23	302	292	279	282	283	283	280	283	282	280	272	279	288.1
	24	336	320	307	302	298	293	292	288	287	292	289	287	301.3
	25	321	307	301	294	293	291	288	282	280	284	287	286	298.1
	26	335	314	306	303	299	298	293	296	292	292	300	295	306.2
	27	345	325	309	299	298	298	299	296	293	297	299	297	310.0
	28	330	318	302	296	294	296	297	297	298	299	302	302	309.4
	29	328	317	308	305	304	302	304	299	302	300	302	304	311.3
	30	339	328	321	315	307	304	299	297	298	297	300	303	313.3
	31	341	335	322	316	312	309	306	306	307	309	309	308	317.7
Hourly Means.		325.3	314.2	302.3	296.8	293.7	292.7	291.6	291.5	290.9	290.7	290.2	292.4	303.5

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	606	606	606	604	603	604	607	604	586	571	562	560	—
	2	609	605	605	604	604	606	607	596	579	552	525	520	—
	3	613	607	607	606	607	612	611	614	593	560	552	559	—
	4	619	614	615	615	615	616	620	623	613	599	590	586	—
	5	622	621	620	620	621	622	622	612	599	595	595	603	—
	6	621	621	620	617	620	614	612	612	605	603	603	607	—
	7	625	623	621	619	621	623	622	612	594	578	564	559	—
	8	611	609	607	609	614	613	605	568	549	541	532	542	—
	9	590	590	588	595	586	582	586	597	579	565	565	564	—
	10	604	603	603	602	599	598	594	589	577	569	572	575	—
	11	613	613	611	603	605	612	616	618	599	589	564	555	—
	12	610	612	607	605	605	603	605	598	586	575	572	572	—
	13	607	607	605	606	602	610	612	607	598	589	581	581	—
	14	605	611	607	607	606	606	607	607	599	590	589	599	—
	15	609	612	614	615	612	612	607	597	586	586	582	580	—
	16	613	613	613	613	607	612	615	621	614	604	595	586	—
	17	629	623	614	610	605	609	603	594	590	586	579	586	—
	18	599	612	621	618	614	607	613	614	612	613	612	605	—
	19	612	612	604	611	614	611	616	618	615	604	596	597	—
	20	623	621	621	619	619	621	623	623	615	607	602	604	—
	21	630	629	627	628	627	627	630	632	620	607	598	603	—
	22	630	629	626	626	625	625	629	622	607	593	582	580	—
	23	629	626	620	619	618	614	623	638	630	625	621	615	—
	24	634	634	630	629	627	628	622	606	594	582	572	572	—
	25	623	623	621	615	615	612	613	620	612	605	599	594	—
	26	621	622	619	618	613	614	617	607	596	585	563	564	—
	27	604	603	602	602	599	595	598	598	588	572	548	539	—
	28	592	586	587	586	582	580	581	580	570	552	549	542	—
	29	582	581	581	581	581	578	579	581	574	566	563	557	—
	30	580	580	580	580	580	577	578	574	569	553	545	542	—
	31	572	570	570	569	569	568	570	563	555	538	529	531	—
Hourly Means.		610.9	610.3	608.8	608.1	606.9	606.8	607.8	604.7	593.6	582.4	574.2	573.5	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	564	580	596	605	606	612	615	619	617	619	615	610	599.0
	2	539	563	577	592	602	607	613	612	614	613	616	615	590.6
	3	575	594	607	615	620	628	629	628	629	628	625	623	605.9
	4	582	587	599	619	621	632	636	634	636	631	634	627	615.1
	5	619	636	640	632	636	630	629	629	629	625	623	621	620.9
	6	617	623	629	630	627	629	632	633	629	629	626	627	620.3
	7	579	594	609	617	620	614	614	614	614	615	614	612	607.4
	8	556	563	574	585	590	590	594	594	594	595	594	590	584.1
	9	572	577	590	599	604	605	610	612	613	609	612	609	591.6
	10	582	588	598	605	613	619	617	617	615	616	618	614	599.5
	11	556	580	605	614	614	612	613	615	613	618	615	611	602.7
	12	577	590	599	605	607	611	614	615	617	615	620	614	601.4
	13	586	588	598	611	615	620	622	616	615	620	620	613	605.4
	14	599	606	617	624	624	628	623	623	626	623	620	613	610.8
	15	588	597	608	618	623	625	618	618	612	613	615	612	606.6
	16	594	604	607	606	612	616	615	618	625	628	622	617	611.3
	17	594	604	614	612	614	623	618	614	613	612	613	614	607.2
	18	612	611	612	607	613	613	614	619	621	629	628	613	613.8
	19	606	612	616	620	623	623	627	629	631	629	629	625	615.8
	20	607	620	621	623	622	626	631	634	634	639	638	634	622.0
	21	615	623	639	645	643	639	637	637	636	635	635	632	628.1
	22	586	597	618	629	631	626	626	624	629	627	629	629	617.7
	23	613	619	631	628	629	631	634	637	637	638	641	638	627.3
	24	581	593	610	620	623	626	627	629	629	623	622	622	614.0
	25	605	611	618	621	626	629	630	634	631	629	626	627	618.3
	26	573	584	596	603	606	612	612	609	612	611	605	605	602.8
	27	548	566	583	590	595	596	597	599	599	596	590	590	587.4
	28	546	556	568	577	580	581	584	592	582	581	582	582	574.9
	29	561	574	586	588	588	589	589	588	586	586	582	581	579.3
	30	546	543	555	562	574	580	581	582	580	580	576	572	569.5
	31	542	560	572	579	581	586	588	586	584	584	581	581	567.8
Hourly Means.		581.3	591.7	603.0	609.1	612.3	614.8	615.8	616.5	616.2	616.0	615.0	612.0	603.8

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30'0 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	12.4	12.6	12.3	12.3	12.1	12.0	11.2	9.8	10.0	10.8	11.6	12.3	—
	2	13.3	12.9	12.8	12.9	12.5	12.1	11.6	10.0	10.5	11.7	14.1	14.0	—
	3	12.4	12.9	12.6	12.4	12.3	12.0	11.1	9.2	8.7	89	11.1	12.2	—
	4	13.2	13.2	13.2	13.2	13.1	13.1	12.6	10.9	10.6	10.8	11.6	11.5	—
	5	12.6	12.8	12.8	12.8	12.6	12.4	12.3	12.1	12.1	12.2	12.6	13.4	—
	6	12.8	12.9	13.0	12.9	12.8	12.8	12.0	10.6	10.5	10.8	12.1	12.3	—
	7	12.9	13.0	13.0	12.9	12.9	12.8	13.2	12.0	11.1	11.2	12.8	14.2	—
	8	13.0	13.3	13.2	12.9	12.9	12.9	12.9	11.9	11.7	12.1	13.1	14.0	—
	9	13.1	13.2	13.1	13.1	12.9	12.8	12.3	11.3	10.6	10.7	11.5	12.1	—
	10	13.1	13.2	13.2	13.1	12.9	12.8	12.6	11.3	11.2	12.0	12.8	13.6	—
	11	13.2	13.3	13.2	13.1	12.9	12.3	12.0	10.0	9.8	10.5	11.3	12.1	—
	12	12.5	12.8	12.8	12.4	12.2	12.2	12.6	11.9	11.2	10.9	11.2	11.7	—
	13	13.1	13.0	12.9	12.6	12.6	12.6	12.3	10.7	10.4	10.8	12.1	13.1	—
	14	12.3	12.6	12.6	12.8	12.3	12.5	12.6	11.9	10.9	10.6	11.3	12.5	—
	15	12.8	12.8	12.9	12.9	12.8	12.6	12.5	12.0	10.9	10.9	11.5	11.2	—
	16	12.4	12.6	12.5	12.6	12.4	12.9	13.1	12.0	11.3	11.4	12.0	12.2	—
	17	12.6	12.8	12.9	12.3	12.9	12.8	12.2	11.1	11.1	11.7	12.8	13.0	—
	18	12.2	12.3	12.2	12.2	12.2	12.3	12.1	10.9	10.3	10.5	11.2	11.7	—
	19	12.3	12.3	12.3	12.2	12.2	12.2	11.8	10.7	9.9	10.6	11.2	11.9	—
	20	12.3	12.4	12.6	12.8	12.3	12.3	12.3	11.6	10.8	11.1	12.0	12.2	—
	21	12.3	12.6	12.6	12.5	12.4	13.1	13.2	11.6	10.5	10.5	11.2	11.6	—
	22	12.2	12.8	12.6	12.6	12.6	12.4	13.0	12.2	11.6	11.3	12.1	12.4	—
	23	12.2	12.3	12.8	12.3	12.4	13.1	13.2	11.5	11.1	11.5	12.2	12.4	—
	24	12.2	12.2	12.3	12.2	12.2	12.6	12.3	12.2	11.1	11.2	11.9	11.9	—
	25	12.8	12.9	12.9	13.1	12.8	13.0	12.9	11.2	10.0	99	10.1	10.8	—
	26	12.2	12.3	12.3	12.6	12.5	13.0	12.8	11.6	10.0	97	88	93	—
	27	12.3	12.4	12.6	12.3	12.2	12.3	13.0	11.9	11.2	11.1	11.7	12.1	—
	28	12.4	12.6	12.6	12.5	12.4	12.4	12.3	11.2	10.7	10.9	10.9	11.1	—
	29	12.3	12.3	12.3	12.3	12.3	12.6	13.1	12.1	11.1	10.7	10.8	10.9	—
	30	12.1	12.2	12.2	12.2	12.3	12.3	12.8	12.1	11.5	11.1	10.6	10.5	—
Hourly Means.		12.58	12.72	12.71	12.63	12.53	12.57	12.46	11.32	10.75	10.94	11.67	12.14	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	12.8	12.9	12.6	12.8	13.1	13.4	13.4	12.9	12.3	12.3	12.6	12.8	12.22
	2	13.4	13.3	12.6	12.2	12.3	12.9	13.2	12.9	12.6	12.5	12.4	12.3	12.54
	3	12.4	13.0	13.6	13.8	13.4	13.7	13.4	13.3	13.1	13.1	13.2	13.2	12.29
	4	13.2	13.0	12.9	13.2	13.4	13.3	13.2	13.1	13.1	12.9	12.9	12.5	12.65
	5	13.8	14.0	14.5	14.2	13.4	13.3	13.2	12.6	12.8	12.6	12.6	12.8	12.94
	6	12.3	12.9	12.3	13.3	13.4	13.3	13.1	13.0	13.0	12.9	13.2	12.8	12.54
	7	14.0	14.1	14.5	14.2	13.4	13.3	13.2	12.9	12.8	12.8	13.0	12.3	13.02
	8	14.4	14.6	14.5	13.8	13.3	13.3	13.2	13.2	12.9	13.0	13.1	13.2	13.18
	9	12.6	13.4	13.4	13.2	13.1	13.2	13.1	12.9	12.9	12.9	13.1	13.1	12.65
	10	14.2	14.0	14.4	14.4	13.4	13.2	13.1	13.0	13.0	13.0	13.0	13.2	13.07
	11	12.6	13.2	13.4	13.6	13.3	13.1	12.8	12.3	12.3	12.4	12.4	12.3	12.39
	12	12.1	12.9	13.8	14.2	13.8	13.0	12.9	12.6	12.3	12.2	12.6	12.6	12.48
	13	13.1	12.9	13.3	13.3	13.3	13.1	12.8	12.4	12.5	12.3	12.4	12.3	12.50
	14	13.1	13.1	13.4	13.6	13.3	12.9	12.9	12.8	12.8	12.3	12.6	12.4	12.50
	15	11.1	11.5	12.8	13.2	13.4	13.2	12.9	12.3	12.6	12.3	12.6	12.3	12.33
	16	13.2	14.0	14.5	14.4	13.4	12.9	12.3	12.3	12.2	12.3	12.3	12.3	12.65
	17	12.6	12.8	13.2	13.2	13.4	12.9	12.3	12.2	12.1	12.1	12.2	12.2	12.48
	18	12.1	12.3	12.3	12.3	12.3	12.3	12.3	12.5	12.4	12.3	12.3	12.3	11.99
	19	12.1	11.7	12.0	12.2	12.8	12.4	12.3	12.3	12.3	12.2	12.2	12.2	11.93
	20	13.0	13.4	13.6	13.4	13.4	12.9	12.3	12.2	12.3	12.3	12.3	12.3	12.42
	21	12.2	12.6	13.3	13.3	12.8	12.2	12.2	12.1	12.1	12.1	12.1	12.3	12.23
	22	13.3	13.3	13.3	13.4	13.1	12.4	12.2	12.2	12.2	12.3	12.1	12.3	12.50
	23	12.6	12.8	13.2	13.3	12.9	12.2	12.2	12.2	12.0	12.0	12.2	12.0	12.36
	24	12.4	13.1	13.4	13.9	13.1	12.2	12.2	12.2	12.1	12.3	12.2	12.6	12.33
	25	11.2	12.1	13.3	13.8	13.2	12.5	12.3	12.2	12.2	12.2	12.2	12.1	12.15
	26	10.0	11.6	13.2	13.9	13.4	12.6	12.3	12.3	12.3	12.2	12.2	12.2	11.89
	27	12.4	12.8	12.4	12.5	12.4	12.3	12.2	12.2	12.2	12.1	12.2	12.3	12.21
	28	12.0	12.8	13.3	13.9	13.6	12.9	12.4	12.3	12.2	12.2	12.3	12.2	12.25
	29	11.1	12.0	13.4	13.6	13.2	12.3	12.3	12.3	12.2	12.2	12.2	12.0	12.15
	30	10.5	11.6	13.1	13.2	13.1	12.6	12.2	12.1	12.1	12.1	12.2	12.2	12.04
Hourly Means.		12.53	12.92	13.32	13.44	13.18	12.86	12.68	12.53	12.46	12.41	12.50	12.45	12.43

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	339	341	345	344	344	346	349	358	369	382	385	390	—
	2	311	321	326	320	326	331	334	349	354	351	354	350	—
	3	321	318	320	322	325	325	329	335	342	350	359	356	—
	4	325	327	329	330	331	334	339	349	359	369	379	371	—
	5	325	326	326	326	329	334	338	347	353	363	372	370	—
	6	327	326	325	326	331	332	341	354	354	359	365	363	—
	7	321	319	321	321	326	329	330	347	359	378	373	355	—
	8	312	306	306	316	311	315	320	331	345	358	360	358	—
	9	317	318	321	322	324	327	335	344	354	363	369	361	—
	10	320	321	321	323	325	327	336	349	356	360	360	353	—
	11	319	321	321	323	325	330	342	358	368	377	378	372	—
	12	316	316	321	321	326	329	337	351	360	369	375	364	—
	13	316	324	317	321	322	329	336	350	368	370	374	370	—
	14	312	313	316	320	325	326	330	340	342	357	363	353	—
	15	315	315	315	316	317	320	320	328	340	351	360	351	—
	16	313	315	321	321	326	326	333	339	346	353	351	348	—
	17	315	312	312	313	316	321	329	335	345	349	349	345	—
	18	312	311	311	317	318	322	334	345	353	358	360	354	—
	19	316	317	318	325	327	337	344	351	359	363	369	370	—
	20	311	311	312	316	315	320	322	327	336	347	345	337	—
	21	302	303	309	310	312	313	323	331	338	350	361	352	—
	22	305	311	309	311	315	318	318	334	344	363	365	356	—
	23	308	305	312	307	312	313	318	332	332	335	330	320	—
	24	306	318	310	305	307	307	310	316	329	329	327	324	—
	25	301	302	304	309	312	312	320	326	331	338	354	350	—
	26	297	297	307	303	307	311	317	321	329	336	338	327	—
	27	308	307	307	313	314	317	322	331	337	349	357	354	—
	28	315	316	316	321	316	323	325	339	344	354	368	363	—
	29	311	316	316	317	316	323	325	332	345	358	366	351	—
	30	307	305	310	312	313	318	320	326	330	332	335	331	—
	Hourly Means.	314.1	315.3	316.8	318.4	320.4	323.8	329.2	339.2	347.4	355.7	360.0	354.0	—

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	387	364	352	356	338	317	313	311	328	305	301	302	344.4
	2	340	330	325	324	326	326	317	314	321	325	322	320	329.9
	3	345	332	326	322	321	321	321	321	322	323	323	323	329.3
	4	366	349	338	331	329	330	327	326	324	322	323	325	338.8
	5	361	346	335	344	339	327	325	322	326	326	326	317	337.6
	6	355	337	319	316	315	315	313	312	315	317	316	316	331.2
	7	349	339	331	324	326	323	318	315	317	318	314	322	332.3
	8	344	326	316	316	307	301	305	302	302	309	312	312	320.4
	9	348	336	323	317	316	316	320	317	316	318	316	316	329.8
	10	344	331	318	317	313	315	315	318	317	318	318	320	329.0
	11	359	339	332	316	310	305	311	310	308	307	306	316	331.4
	12	351	344	332	329	322	318	318	316	314	312	316	316	332.2
	13	351	326	320	311	305	310	313	313	312	312	313	312	329.0
	14	337	327	321	312	306	305	302	299	302	306	310	315	322.5
	15	342	331	317	310	311	317	310	312	312	310	307	311	322.4
	16	329	322	316	310	307	311	311	312	312	311	313	315	323.4
	17	335	329	324	313	294	296	301	298	298	305	304	306	318.5
	18	350	345	336	325	326	321	316	313	307	304	308	316	327.6
	19	350	326	308	301	307	316	317	316	311	308	310	312	328.3
	20	325	316	306	301	299	305	313	308	302	297	298	301	315.4
	21	341	334	317	311	310	311	311	311	312	310	305	311	320.3
	22	345	329	320	309	307	301	291	298	301	302	306	311	319.5
	23	311	310	306	301	306	306	306	304	301	307	304	303	312.0
	24	318	316	308	306	305	306	301	303	303	297	300	301	310.5
	25	339	333	317	305	305	306	307	306	305	306	301	297	316.1
	26	318	309	301	296	301	306	306	304	300	302	305	306	310.2
	27	345	337	327	316	315	315	311	306	307	310	316	318	322.5
	28	343	339	326	316	307	306	310	308	305	309	307	309	324.4
	29	343	332	316	306	306	308	305	307	301	302	305	311	321.6
	30	327	323	308	307	303	302	304	306	305	301	305	303	313.9
	Hourly Means.	343.3	331.9	321.4	315.6	312.7	312.1	311.3	310.3	310.2	310.0	310.3	312.1	324.8

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL	1	619	619	617	617	618	618	619	622	611	597	595	594	—
	2	632	625	626	629	629	628	630	622	612	602	597	608	—
	3	614	614	612	612	611	612	613	607	590	555	541	549	—
	4	605	602	602	603	603	602	606	603	590	583	576	584	—
	5	618	618	617	614	614	614	612	603	596	589	583	587	—
	6	615	614	614	613	611	612	614	612	602	594	595	596	—
	7	619	619	617	618	614	614	614	617	606	587	581	599	—
	8	634	636	634	629	631	626	626	630	612	597	594	602	—
	9	635	632	631	631	631	628	630	614	605	594	578	578	—
	10	619	618	619	618	617	614	613	614	603	595	595	599	—
	11	628	625	624	622	619	618	614	602	594	588	584	585	—
	12	625	625	624	625	625	620	619	597	593	585	581	594	—
	13	619	614	619	618	617	611	611	609	590	576	571	578	—
	14	623	623	620	619	619	614	616	619	618	608	597	603	—
	15	629	628	628	628	626	625	631	625	616	607	603	608	—
	16	624	623	622	623	620	619	618	619	613	605	599	602	—
	17	626	628	629	629	626	623	623	613	603	596	595	602	—
	18	619	619	619	617	618	614	616	619	612	599	594	600	—
	19	624	622	622	619	620	618	615	648	638	628	620	620	—
	20	650	649	649	647	649	644	648	653	653	646	643	643	—
	21	649	647	643	643	643	640	640	654	656	647	641	647	—
	22	653	649	649	647	644	643	643	640	632	623	622	634	—
	23	650	652	647	648	646	642	644	650	647	644	642	650	—
	24	653	646	649	653	649	648	649	644	634	634	634	636	—
	25	650	649	648	644	643	643	643	643	641	634	619	619	—
	26	653	653	646	648	648	644	648	655	654	646	640	640	—
	27	649	650	650	648	648	643	640	640	632	619	611	613	—
	28	647	647	647	643	646	641	641	632	625	614	614	614	—
	29	649	648	647	647	646	642	644	661	655	642	638	649	—
	30	662	664	661	659	659	654	654	652	653	655	658	658	—
Hourly Means.		633.1	631.9	631.1	630.4	629.7	627.1	627.8	627.3	619.5	609.6	604.7	609.7	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL	1	600	613	622	619	629	637	638	642	631	640	642	638	620.7
	2	614	623	631	629	622	619	627	629	623	618	617	615	621.1
	3	560	570	581	597	607	606	609	612	612	609	608	607	596.2
	4	590	599	603	612	614	617	620	622	623	624	622	619	605.2
	5	590	603	617	614	620	626	625	625	623	622	618	620	611.2
	6	602	611	617	617	617	624	626	630	628	625	624	622	614.0
	7	608	617	625	636	636	632	636	638	635	632	635	631	619.4
	8	617	628	636	638	643	648	643	644	644	640	638	638	629.5
	9	582	591	608	619	625	625	625	626	625	625	625	624	616.1
	10	608	618	625	628	636	637	635	631	631	631	630	628	619.3
	11	596	609	617	629	636	638	636	637	637	636	637	625	618.2
	12	602	601	605	613	619	622	622	623	624	624	620	619	612.8
	13	598	617	617	620	628	629	626	626	628	628	625	624	612.5
	14	611	614	625	636	638	640	642	642	640	636	632	629	623.5
	15	614	609	609	614	620	625	630	629	630	630	631	625	621.7
	16	606	608	615	625	634	635	635	635	634	632	631	627	621.0
	17	614	617	619	628	637	637	632	634	632	628	626	623	621.7
	18	605	608	618	625	624	627	630	632	634	636	629	624	618.3
	19	631	647	654	655	652	652	653	655	661	658	653	650	638.1
	20	637	635	643	650	656	656	653	656	659	659	659	653	649.6
	21	648	647	653	658	661	659	658	656	655	655	656	652	650.3
	22	637	642	646	653	659	662	664	661	656	656	655	649	646.6
	23	655	654	650	653	659	660	660	661	661	656	658	655	651.8
	24	636	638	640	646	652	653	655	654	654	656	655	653	646.7
	25	628	629	636	643	652	654	650	653	654	653	658	655	643.4
	26	637	632	632	640	649	652	653	655	657	656	653	652	647.6
	27	621	631	643	652	653	656	656	656	656	655	649	646	642.4
	28	616	623	638	642	655	660	658	658	658	655	655	653	640.9
	29	650	650	655	662	670	671	671	668	671	668	667	662	655.5
	30	653	647	649	655	662	667	667	666	664	665	661	660	658.5
Hourly Means.		615.5	621.0	627.6	633.6	638.8	640.9	641.2	641.9	641.3	640.3	639.0	635.9	629.1

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30′0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	12.2	12.2	12.3	12.3	12.2	12.3	13.3	12.9	12.0	11.2	10.8	10.6	—
	2	12.0	12.1	12.1	12.3	12.4	12.8	13.2	12.1	11.1	10.9	11.1	11.4	—
	3	12.1	12.2	12.3	12.3	12.3	12.8	13.0	12.1	10.8	10.1	10.0	10.8	—
	4	12.1	12.1	12.1	12.2	12.1	12.2	13.1	12.1	10.9	11.1	11.7	11.3	—
	5	12.3	12.6	12.4	12.4	12.4	12.8	13.3	12.1	11.5	11.6	11.6	11.7	—
	6	12.1	12.1	12.0	11.7	12.1	12.8	12.8	12.2	11.1	11.2	11.2	11.2	—
	7	12.2	12.3	12.6	12 6	13.3	13.3	14.2	13.1	11.5	10.6	10.7	10.7	—
	8	12.1	12.1	12.2	12.3	12.4	12.8	13.1	12.1	11.4	11.1	11.1	11.2	—
	9	12.2	12.2	12.3	12.6	12.3	12.6	13.1	12.1	11.1	10.8	10.0	10.6	—
	10	12.1	12.2	12.3	12.3	12.6	12.8	13.2	12.1	11.4	10.9	11.1	11.2	—
	11	12.1	12.6	12.4	12.3	12.4	12.9	12.6	12.0	11.6	11.6	11.7	12.3	—
	12	12.3	12.4	12.3	12.2	12.5	12.8	12.8	12.1	11.2	10.9	10.8	10.9	—
	13	12.3	12.3	12.3	12.3	12.6	12.9	12.8	12.0	12.0	11.9	11.7	11.5	—
	14	12.1	12.2	12.3	12.4	12.4	12.8	12.8	11.9	10.9	10.8	11.2	12.0	—
	15	12.3	12.8	12.9	13.1	12.8	13.1	13.3	12.1	11.3	11.9	12.0	12.2	—
	16	12.2	12.2	12.1	12.1	12.3	12.9	13.2	12.0	11.1	10.9	11.1	11.2	—
	17	12.1	12.1	12.1	12.2	12.3	12.9	13.0	12.0	11.4	11.2	11.5	12.1	—
	18	12.3	12.4	12.3	12.5	12.6	13.0	13.3	12.3	12.1	12.0	12.0	11.9	—
	19	12.3	12.6	12.6	12.8	12.6	12.9	13.3	12.2	11.5	10.9	10.0	10.5	—
	20	12.2	12.5	12.3	12.2	12.2	12.8	13.2	12.6	11.2	10.8	11.2	11.9	—
	21	12.2	12.3	12.3	12.8	12.3	13.0	13.4	12.8	12.1	12.0	11.9	11.7	—
	22	12.1	12.3	12.2	12.3	12.3	12.9	13.1	12.3	11.7	10.8	10.4	10.0	—
	23	12.3	12.6	12.2	12.3	12.2	13.0	14.0	12.9	12.0	12.0	12.1	11.7	—
	24	12.1	12.2	12.3	12.3	12.4	12.8	13.4	12.4	12.2	12.1	12.0	12.1	—
	25	12.2	12.3	12.3	12.2	12.3	12.8	13.3	12.4	11.5	11.1	10.4	10.7	—
	26	11.7	12.3	12.2	12.0	12.2	12.3	13.4	12.6	11.6	10.8	10.4	10.0	—
	27	12.0	12.0	12.0	12.1	12.1	12.3	12.9	12.2	11.5	11.1	11.2	11.1	—
	28	12.0	12.0	12.1	12.2	12.2	12.2	12.8	12.8	12.0	11.9	11.9	12.2	—
	29	12.2	12.3	12.3	12.2	12.3	12.8	13.2	12.4	12.2	11.6	11.2	11.6	—
	30	12.1	12.2	12.2	12.3	12.3	12.4	13.3	13.1	12.1	12.1	11.6	11.9	—
	31	12.2	12.3	12.3	12.2	12.3	12.8	13.2	12.2	11.9	11.5	11.2	11.6	—
Hourly Means.		12.15	12.29	12.28	12.32	12.38	12.76	13.18	12.33	11.55	11.27	11.19	11.35	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	10.8	11.5	12.8	13.2	13.2	12.8	12.2	12.2	12.3	11.7	12.2	12.1	12.14
	2	11.9	12.5	13.2	13.4	13.2	12.9	12.3	12.2	12.2	12.2	12.2	12.1	12.24
	3	12.1	13.1	13.4	13.3	13.2	12.9	12.4	12.2	12.2	12.2	12.1	12.0	12.16
	4	11.7	12.9	13.2	13.2	13.3	12.8	12.8	12.5	12.3	12.2	12.1	12.1	12.25
	5	12.3	12.9	13.2	13.3	13.1	12.1	12.1	12.1	12.2	12.0	12.1	12.0	12.34
	6	11.6	12.2	12.6	12.9	13.1	12.9	12.3	12.2	12.1	12.0	12.2	12.0	12.11
	7	10.8	10.9	12.0	12.3	12.8	12.3	12.1	12.0	12.0	11.9	12.1	12.0	12.10
	8	12.2	13.0	13.3	13.2	13.1	12.3	12.1	12.0	12.0	12.0	12.1	12.1	12.22
	9	12.0	13.2	13.4	13.3	13.2	12.5	12.1	12.0	12.1	12.0	12.0	12.1	12.16
	10	11.7	11.9	12.3	12.9	12.9	12.3	12.1	12.1	12.1	12.2	12.3	12.3	12.14
	11	13.7	14.5	14.4	13.9	13.2	12.6	12.2	12.2	12.2	12.1	12.1	12.3	12.58
	12	11.5	12.1	12.9	13.3	13.1	12.3	12.3	12.3	12.3	12.3	12.3	12.2	12.17
	13	11.6	11.9	12.2	12.3	12.9	12.3	12.1	12.0	12.0	12.0	12.1	12.0	12.17
	14	12.6	13.1	13.0	13.1	12.8	12.2	12.1	12.2	12.0	12.0	12.1	12.0	12.21
	15	12.3	12.8	13.3	13.4	13.1	12.1	12.2	12.2	12.1	12.1	12.2	12.1	12.49
	16	11.7	12.2	13.0	13.3	12.8	12.1	12.2	12.0	12.1	12.1	12.3	12.1	12.13
	17	13.2	13.4	12.9	13.1	12.3	12.2	12.0	12.0	11.7	12.2	12.3	12.2	12.27
	18	12.0	12.2	12.9	13.1	12.4	12.2	12.2	12.2	12.2	12.2	12.2	12.3	12.37
	19	11.1	11.7	12.3	12.6	12.3	12.2	12.1	12.0	12.1	12.0	12.2	12.1	12.04
	20	12.3	12.3	12.3	12.3	12.3	12.0	12.0	12.1	12.1	12.0	12.1	12.1	12.13
	21	11.9	12.1	13.0	13.0	12.4	12.2	12.3	12.1	12.0	12.1	12.0	12.0	12.33
	22	12.2	13.0	13.2	13.0	12.2	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.11
	23	11.6	11.7	11.9	12.0	12.1	11.6	11.3	11.6	11.6	11.7	12.1	11.9	12.10
	24	12.0	12.3	12.3	12.6	12.4	12.1	12.0	11.7	11.9	11.9	12.0	12.1	12.23
	25	11.2	12.0	12.8	13.8	12.8	12.1	11.5	11.3	11.5	11.2	12.0	12.0	11.99
	26	10.9	11.6	12.6	12.8	12.6	12.0	12.0	12.0	11.9	11.7	12.0	11.9	11.90
	27	12.2	12.4	13.3	13.4	12.9	12.2	12.1	12.1	12.1	12.1	12.0	12.0	12.14
	28	12.8	13.0	13.3	13.4	12.9	12.3	12.2	12.1	12.2	12.2	12.2	12.1	12.38
	29	12.2	12.4	12.6	12.9	13.0	12.2	12.0	12.1	12.0	12.0	12.1	11.9	12.24
	30	12.3	13.1	13.3	13.2	12.2	12.2	12.2	12.0	12.1	12.1	12.2	12.1	12.36
	31	12.2	12.8	13.0	12.8	12.3	12.0	12.0	11.9	11.9	11.9	12.0	12.0	12.19
Hourly Means.		11.95	12.47	12.90	13.04	12.78	12.29	12.12	12.05	12.05	12.01	12.13	12.07	12.20

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HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36800 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	320	323	325	329	325	329	334	341	347	349	353	348	—
	2	316	320	320	319	321	326	333	341	348	358	363	353	—
	3	322	325	324	325	328	329	333	338	346	353	360	354	—
	4	319	320	320	322	323	326	343	349	353	365	358	354	—
	5	302	307	308	316	320	322	325	327	332	344	345	330	—
	6	269	276	286	291	282	292	302	315	324	320	334	317	—
	7	313	315	320	316	319	324	318	320	331	338	334	330	—
	8	311	314	311	311	318	323	325	332	338	339	351	348	—
	9	320	320	321	323	329	330	333	343	349	351	353	350	—
	10	311	320	320	321	321	326	332	344	352	359	365	360	—
	11	315	306	314	315	319	324	334	343	349	358	373	363	—
	12	315	317	317	322	319	325	330	337	344	348	353	357	—
	13	329	332	334	334	335	340	349	353	351	359	363	359	—
	14	334	335	337	336	338	350	347	362	363	368	362	357	—
	15	328	325	327	334	336	339	344	348	353	356	359	353	—
	16	322	326	326	329	330	334	345	355	361	370	367	357	—
	17	333	336	334	334	336	345	363	383	391	401	398	374	—
	18	330	328	332	336	337	348	353	361	372	370	369	364	—
	19	333	329	330	334	334	339	348	355	360	358	358	350	—
	20	329	324	324	326	332	336	344	354	360	367	374	370	—
	21	329	329	330	339	336	335	341	350	358	367	364	367	—
	22	324	321	324	324	323	329	335	344	354	360	369	365	—
	23	320	322	325	325	326	331	335	339	340	349	356	362	—
	24	331	341	339	339	339	346	359	382	373	372	372	364	—
	25	325	325	329	328	330	334	340	348	352	365	376	368	—
	26	327	317	320	324	324	331	338	341	345	348	346	338	—
	27	325	326	325	326	329	332	335	339	343	344	348	350	—
	28	320	324	325	326	328	332	337	339	348	348	345	349	—
	29	328	329	329	330	334	335	339	348	354	359	358	359	—
	30	327	329	330	331	331	333	340	352	363	369	374	370	—
	31	325	326	329	330	332	336	344	351	358	359	360	359	—
Hourly Means.		321.0	322.2	323.7	325.6	326.9	331.6	338.0	346.3	352.0	357.1	360.0	354.8	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	342	338	329	321	320	320	323	323	317	319	316	315	329.4
	2	345	338	321	315	320	321	319	317	319	317	316	320	328.6
	3	346	339	330	325	321	322	320	320	317	322	317	319	330.6
	4	353	346	340	326	313	311	302	301	292	288	289	305	325.8
	5	322	310	303	303	304	316	320	313	296	281	282	276	312.7
	6	313	310	307	310	309	308	309	310	310	313	312	312	305.5
	7	326	322	310	310	304	303	300	305	306	310	307	307	316.2
	8	338	331	327	321	318	317	314	319	319	320	318	320	324.3
	9	348	341	337	327	324	325	320	322	320	322	322	315	331.0
	10	353	339	327	319	316	320	322	321	317	315	310	307	329.0
	11	350	344	335	314	311	302	303	304	301	303	306	313	325.0
	12	355	348	335	336	335	338	327	331	327	321	325	329	333.0
	13	351	341	332	327	321	320	320	321	321	324	322	328	336.1
	14	349	335	329	324	321	324	321	320	321	322	322	323	337.5
	15	346	338	329	321	322	326	319	313	313	317	320	320	332.8
	16	347	336	325	321	316	320	320	325	322	322	324	327	334.5
	17	345	327	331	330	322	321	334	334	334	327	334	329	345.7
	18	360	352	345	338	332	330	327	324	319	317	325	325	341.4
	19	344	339	329	328	325	325	325	326	325	326	325	327	336.3
	20	360	356	341	333	334	335	331	331	331	329	329	327	340.7
	21	358	351	343	330	323	316	310	308	306	311	315	324	335.0
	22	363	358	347	334	320	321	322	324	325	319	320	316	335.0
	23	358	355	346	334	326	326	329	329	329	334	332	339	336.1
	24	359	353	337	329	327	329	327	331	326	329	324	325	343.9
	25	351	338	332	319	320	328	331	330	329	329	325	322	336.4
	26	335	328	321	317	315	317	316	321	322	320	320	325	327.3
	27	348	338	332	327	323	321	321	320	320	319	314	319	330.2
	28	348	334	335	329	329	327	326	325	326	325	325	327	332.4
	29	349	340	334	326	321	324	325	324	324	325	325	325	335.2
	30	362	349	340	330	327	326	326	326	325	324	324	325	338.9
	31	353	345	337	331	328	331	331	330	330	329	328	326	337.8
Hourly Means.		347.6	339.3	331.2	324.4	320.9	321.6	320.6	320.9	319.0	318.7	318.5	319.9	331.7

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.19700 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	658	656	654	654	655	652	648	641	643	643	649	650	—
	2	652	649	649	649	649	644	647	658	650	648	640	640	—
	3	654	654	652	652	650	649	647	644	643	639	637	635	—
	4	653	650	649	649	649	642	641	648	652	643	648	643	—
	5	655	652	650	648	648	647	649	658	649	641	643	650	—
	6	673	668	661	654	659	649	650	648	646	650	649	653	—
	7	655	650	649	652	649	647	656	664	661	658	650	643	—
	8	648	644	647	646	642	638	642	634	631	629	620	614	—
	9	632	631	631	630	625	623	625	625	628	629	624	618	—
	10	637	632	631	631	630	626	626	626	624	618	617	619	—
	11	637	637	631	631	628	622	614	603	596	593	590	603	—
	12	626	627	627	625	625	621	620	632	631	629	625	624	—
	13	635	632	631	631	631	624	618	601	602	601	608	614	—
	14	625	623	622	622	620	613	614	608	606	602	602	603	—
	15	628	630	630	625	626	623	623	613	608	606	601	608	—
	16	625	622	623	623	623	617	613	622	618	606	611	614	—
	17	620	624	625	625	625	618	611	606	600	596	600	613	—
	18	624	624	620	619	620	614	609	609	606	602	603	606	—
	19	619	619	619	620	620	614	609	624	622	620	619	619	—
	20	634	637	636	632	631	626	620	620	618	616	609	614	—
	21	630	629	625	620	623	622	620	625	625	620	620	614	—
	22	631	632	631	631	631	625	626	631	631	630	624	614	—
	23	643	642	637	637	636	632	629	631	635	629	626	628	—
	24	629	623	623	623	623	615	609	600	609	614	613	617	—
	25	634	634	631	631	630	625	622	608	608	605	599	600	—
	26	619	624	619	619	618	611	612	617	620	619	614	608	—
	27	611	612	612	611	609	605	603	611	608	603	595	594	—
	28	619	617	614	614	614	609	605	603	601	600	597	593	—
	29	617	617	615	614	613	609	607	601	597	598	602	598	—
	30	614	614	613	613	613	609	606	604	603	600	601	595	—
	31	617	615	614	614	613	610	605	626	623	619	614	612	—
Hourly Means.		634.0	632.9	631.3	630.5	629.9	625.2	623.4	623.9	622.4	619.5	617.7	617.9	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	658	655	654	656	656	660	658	656	659	656	656	655	653.4
	2	630	631	642	650	655	661	661	663	661	661	661	658	650.4
	3	635	636	640	647	652	656	658	659	659	655	658	655	648.6
	4	635	635	642	649	661	667	671	668	672	673	668	655	652.6
	5	647	649	649	653	658	655	655	661	669	676	672	673	654.5
	6	649	650	653	655	654	659	659	659	661	660	659	655	655.5
	7	635	636	643	642	649	655	659	656	655	654	653	652	651.0
	8	608	612	624	632	636	639	640	636	637	637	637	634	633.6
	9	609	609	617	625	634	637	638	637	637	637	637	637	628.1
	10	624	627	633	637	643	644	641	639	638	640	641	640	631.8
	11	618	628	637	647	644	647	643	640	640	637	635	630	626.3
	12	629	626	626	625	632	637	643	642	643	643	638	637	630.5
	13	618	623	622	625	635	640	638	637	637	635	632	626	624.8
	14	603	611	625	631	637	637	638	640	638	636	633	631	621.7
	15	614	620	624	631	635	632	635	636	635	631	626	625	623.5
	16	620	625	629	631	638	643	642	640	638	637	634	630	626.0
	17	624	631	623	625	637	637	631	631	629	630	625	625	621.3
	18	603	606	608	618	625	631	631	633	635	632	626	623	617.8
	19	615	617	623	629	637	642	642	641	642	641	640	637	626.3
	20	620	623	631	636	638	641	643	642	638	638	635	632	629.6
	21	619	620	628	637	642	648	648	649	649	643	640	634	630.4
	22	606	613	625	642	653	652	649	649	647	649	648	647	634.0
	23	631	634	633	636	642	643	637	637	635	632	631	626	634.3
	24	617	619	620	626	636	638	640	637	638	638	638	637	624.3
	25	607	609	609	614	628	630	626	625	625	625	622	624	619.6
	26	597	601	605	609	618	623	623	620	619	618	617	613	615.1
	27	590	599	603	614	625	628	628	626	626	625	625	620	611.8
	28	589	597	601	612	619	625	625	625	623	623	620	619	611.0
	29	598	602	606	613	623	623	622	620	620	619	618	616	611.2
	30	594	600	609	618	625	626	625	624	623	623	620	618	612.1
	31	612	614	623	631	641	642	643	643	642	642	641	638	624.8
Hourly Means.		617.9	621.2	626.0	632.1	639.0	641.9	641.7	641.0	641.0	640.2	638.3	635.5	630.2

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30'.0 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE	1	12.3	12.4	12.4	12.5	12.8	13.0	13.4	12.3	11.2	10.8	10.8	11.4	—
	2	12.4	12.5	12.5	12.8	12 8	12.5	13.1	11.9	11.2	11.4	12.4	12.3	—
	3	12.3	12.4	12.6	12.4	12.4	12.5	13.3	12.2	11.4	11.2	11.1	11.8	—
	4	12.3	12.3	12.4	12.4	12.4	13.0	13.5	12.8	12.2	12.0	11.4	11.2	—
	5	12.4	12.3	12.5	12.6	12.5	12.6	13.6	13.5	12.3	11.4	11.0	11.2	—
	6	12.2	12.3	12.3	12.3	12.3	12.4	13.1	12.3	11.4	11.1	11.7	11.7	—
	7	12.2	12.4	12.4	12.5	12.5	13.0	13.5	13.5	12.7	12.4	12.3	12.3	—
	8	12.4	12.5	12.6	12.5	12.4	12.8	13.1	12.6	11.9	11.2	10.9	11.1	—
	9	12 3	12.4	12.4	12.4	12.5	12.6	13.6	13.4	12.5	12.0	11.2	11.1	—
	10	12.3	12.3	12.3	12.4	12.4	12.4	13.2	12.6	12.3	11.8	11.1	11.2	—
	11	12.3	12.4	12.4	12.5	12.3	12.3	13.0	12.4	12.0	11.7	11.2	11.0	—
	12	12.3	12.5	12.4	12.5	12.5	12.8	13.0	13.0	12.3	11.9	12.2	12.3	—
	13	12.4	12.5	12.5	12.5	12.6	12.8	13.1	12.8	12.3	12.2	12.4	12.5	—
	14	12.3	12.5	12.4	12.5	12.5	12.5	13.4	13.1	12.4	12.2	12.2	11.9	—
	15	12.4	12.4	12.4	12.5	12.5	12.5	13.1	12.5	11.8	11.1	10.8	10.9	—
	16	12.5	12.8	12.6	12.5	12.6	12.8	13.8	12.3	11.2	11.1	11.2	11.1	—
	17	11.9	12.2	12.3	12.4	12.4	12.5	13.1	12.5	11.7	11.1	11.0	10.9	—
	18	12.0	12.0	12.3	12.4	12.5	12.5	13.1	12.5	11.8	12.0	11.2	11.4	—
	19	12.2	12 3	12.3	12 4	12.4	12.4	12.6	12.0	11.4	11.0	10.3	10.2	—
	20	12.3	12.3	12.3	12.2	12.4	12.5	12.5	11.4	11.2	11.0	10.7	10.9	—
	21	11.6*	11.9*	12.1*	12.1*	12.1*	12.0*	12.4*	11.4	11.0	10.6	10.2	11.0	—
	22	12.0	12.3	12.4	12.5	12.5	12.5	13.2	12.8	13.0	11.9	12.0	11.8	—
	23	12.3	12.4	12.4	12.4	12.4	12.4	13.0	12.6	12.2	11.4	11.2	11.1	—
	24	12.2	12.3	12.4	12.4	12.4	12.5	13.0	12.4	12.3	11.8	11.5	11.8	—
	25	12.0	12.2	12.2	12.2	12.3	12.4	12.7	12.2	11.2	11.1	11.2	11.0	—
	26	11.9	12.2	12.2	12.2	12.3	12.3	12.7	12.8	12.4	12.4	12.3	12.0	—
	27	12.3	12.4	12.4	12.3	12 2	12.2	12.0	11.9	11.1	11.0	10.8	10.7	—
	28	11.8	12.0	11.9	12.0	12.0	12.3	12.8	12.3	11.7	11.4	10.3	10.6	—
	29	11.4	11.9	12.0	11.9	12.3	12.4	12.5	11.9	11.2	11.2	11.0	11.1	—
	30	11.9	12.0	12.3	12.3	12.4	12.5	12.8	12.2	11.8	12.2	12.2	11.8	—
Hourly Means.		12.17	12.31	12.35	12.38	12.42	12.53	13.04	12.47	11.84	11.52	11.33	11.38	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE	1	12.0	13.0	13.1	12.6	12.5	12.0	12.0	12.0	11.8	11.2	11.9	12.2	12.15
	2	12.4	12.4	12.3	12.3	11.9	11.8	11.8	11.9	11.8	11.9	12.3	12.0	12.19
	3	12.4	13.2	13.3	12.5	12.4	12.2	12.0	12.0	12.2	12.2	12.4	12.2	12.28
	4	11.4	11.7	12.0	12.2	12.4	12.3	12.2	12.2	11.9	12.0	11.9	12.2	12.18
	5	11.4	12.0	12.4	12.5	12.3	12.4	12.2	11.9	11.9	11.8	11.9	12.0	12.19
	6	12.2	12.4	13.0	12.6	12.3	11.7	11.5	11.4	11.4	11.8	12.2	12.2	12.08
	7	12.4	12.5	13.0	12.5	12.4	11.8	11.7	11.9	12.0	11.9	12.3	12.3	12.43
	8	11.2	11.5	11.9	12.2	12.3	11.9	11.4	11.7	11.7	11.7	11.8	12.3	11.98
	9	11.4	12.3	13.1	12.8	12.4	11.8	11.8	11.8	11.9	11.9	12.2	12.4	12.26
	10	11.4	12.0	12.5	13.1	13.0	12.2	11.9	11.9	11.9	11.9	12.0	11.9	12.17
	11	11.4	11.8	12.4	12.5	12.3	11.5	11.8	11.9	11.9	12.0	11.9	11.8	12.03
	12	12.5	13.2	13.2	13.4	12.6	12.4	12.3	12.2	12.3	12.2	12.3	12.3	12.53
	13	11.9	11 8	11.8	12.3	12.5	12.4	12.3	12.2	11.9	11.8	12.3	12.2	12.33
	14	11.9	12.2	12.4	12.4	12.4	12.2	12.2	11.9	12.0	12.0	12.3	12.3	12.34
	15	11.1	12.0	12.0	12.0	12.6	12.4	12.3	12.3	12.4	12.3	12.5	12.4	12.13
	16	11.1	11.4	12.0	12.3	12.3	11.7	11.4	11.6	11.5	11.4	11.5	11.8	11.94
	17	11.5	11.8	12.4	12.5	12.3	11.5	11.8	11.9	11.9	11.9	12.2	11.8	11.98
	18	12.3	12.3	12.3	12.5	12.4	11.4	11.4	11.4	11 5	11.6	11.7	11.7	12.01
	19	11.5	12.4	12.8	12.8	12.3	11.5	11.8	11.5	11.5	11.5	11.8	11.9	11.87
	20	11.1	11.7	12.2	12.5	12.4	11.1	11.2	11.2	11.0	11.0*	11.1*	11.4*	11.65
	21	11.2	11.7	11.9	12.2	12.3	12.4	12.2	11.8	11.5	11.4	11.4	11.7	11.67
	22	12.0	12.4	13.5	13.4	12.4	11.8	11.9	11.9	11.9	11.9	11.9	11.9	12.33
	23	11.2	11.8	11.8	12.3	12.3	11.8	11.9	11.8	11.9	11.8	12.0	12.0	12.02
	24	11.9	12.0	12.4	12.5	12.4	11.8	11.7	11.7	11.7	11.7	11.9	11.8	12.10
	25	11.1	12.0	13.1	13.3	13.1	12.3	12.2	12.0	11.9	11.9	11.9	11.9	12.06
	26	12.0	12.3	12.7	12.4	12 2	11.4	11.5	11.5	11.7	11.8	11.9	12.2	12.14
	27	11.4	12.4	13.2	13.5	13.1	12.3	11.9	11.8	11.7	11.5	11.6	11.7	11.98
	28	11.4	12.5	13.4	13.2	12.4	12.3	12.5	12.5	12.4	12.3	12.5	11.1	12.07
	29	11.4	12.5	13.5	12.8	12.4	11.9	11.8	11.4	11.5	11.5	11.7	11.7	11.87
	30	11.6	12.3	13.0	12.4	12.2	11.7	11.4	11.6	11.6	11.8	11.8	11.7	12.06
Hourly Means.		11.66	12.18	12.62	12.62	12.43	11.93	11.87	11.83	11.81	11.79	11.97	11.97	12.10

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* From Wild's Magnetometer.

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE	1	325	324	325	326	330	338	345	357	361	364	363	352	—
	2	327	325	323	325	332	345	351	352	367	361	349	339	—
	3	313	313	314	314	319	325	329	339	345	344	338	326	—
	4	311	315	316	317	321	323	333	342	351	356	354	345	—
	5	327	332	332	336	345	339	326	330	344	344	344	354	—
	6	325	325	325	325	326	329	334	340	349	355	359	358	—
	7	327	326	329	329	331	334	337	349	359	363	368	364	—
	8	324	325	324	325	326	332	342	352	359	368	371	360	—
	9	331	330	332	329	333	335	340	349	359	368	369	369	—
	10	317	322	325	328	327	330	337	341	349	353	355	348	—
	11	326	327	339	338	337	336	344	349	346	355	363	356	—
	12	333	330	332	332	334	339	355	357	360	364	364	355	—
	13	325	327	328	327	329	333	340	355	358	359	360	357	—
	14	330	330	332	332	334	336	345	351	359	361	366	364	—
	15	335	336	335	337	339	343	346	354	356	359	356	353	—
	16	323	329	330	330	332	333	338	344	349	353	358	355	—
	17	329	330	331	335	337	340	344	365	374	378	383	372	—
	18	326	329	329	330	330	335	339	345	349	351	349	342	—
	19	325	323	325	326	327	331	339	346	349	349	356	351	—
	20	326	332	326	332	334	338	340	344	346	354	353	354	—
	21	332*	334*	331*	336*	339*	342*	347	357	359	371	373	357	—
	22	317	318	316	320	326	326	336	338	349	358	359	341	—
	23	315	311	311	315	317	321	334	345	355	354	357	351	—
	24	312	313	315	316	316	321	330	336	344	354	359	357	—
	25	316	316	317	317	320	323	331	337	344	351	359	354	—
	26	316	317	320	320	320	321	322	328	340	347	345	340	—
	27	316	320	322	323	325	326	333	340	347	349	349	346	—
	28	318	318	318	319	321	327	335	338	344	345	348	346	—
	29	312	304	300	304	309	315	321	331	339	343	349	355	—
	30	326	326	328	323	326	337	345	354	356	360	364	359	—
Hourly Means.		322.8	323.6	324.3	325.5	328.1	331.8	337.9	345.5	352.2	356.4	358.0	352.7	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE	1	347	342	334	327	327	330	330	339	332	340	335	329	338.4
	2	324	309	294	302	302	303	305	300	303	303	302	316	323.3
	3	316	315	311	306	305	314	311	310	308	308	309	310	318.4
	4	335	329	325	316	313	314	316	317	317	321	325	327	326.6
	5	347	337	335	329	322	316	320	321	321	320	321	323	331.9
	6	352	345	331	324	325	327	332	333	325	329	318	325	334.0
	7	363	351	339	330	327	331	330	328	320	317	320	323	337.3
	8	349	344	342	339	335	334	340	335	334	332	329	330	339.6
	9	354	353	341	334	330	331	332	333	328	326	323	323	339.7
	10	338	330	325	316	319	320	321	320	321	320	321	325	329.5
	11	359	351	343	335	325	331	329	330	331	331	330	333	339.3
	12	340	325	320	320	320	322	322	322	320	323	323	324	334.8
	13	355	348	340	334	324	321	324	325	326	328	326	327	336.5
	14	356	349	344	335	331	332	332	335	331	330	330	330	340.6
	15	348	340	330	325	322	326	327	326	323	323	320	323	336.8
	16	347	339	333	331	329	328	330	329	329	327	329	328	335.5
	17	353	334	334	316	318	325	327	326	325	321	320	317	338.9
	18	338	336	334	329	326	330	330	330	326	327	328	326	333.9
	19	342	335	326	326	325	324	322	322	327	329	329	331	332.7
	20	348	340	328	323	326	332	330	329	332	329*	330*	332*	335.8
	21	340	339	336	325	299	290	302	314	312	317	312	317	332.5
	22	338	324	298	306	310	311	311	310	306	310	306	310	322.7
	23	348	336	326	317	312	312	311	315	316	315	313	312	325.8
	24	347	339	326	320	318	316	316	316	320	320	317	321	327.0
	25	339	334	329	321	316	313	311	311	311	311	310	315	325.3
	26	334	326	323	316	313	318	313	312	316	316	315	316	323.1
	27	344	338	325	317	315	316	317	316	311	312	316	318	326.7
	28	341	327	316	312	313	320	316	313	306	304	301	307	323.0
	29	343	330	321	317	317	321	320	329	327	329	330	330	324.8
	30	354	335	331	329	329	327	326	326	323	326	325	326	335.9
Hourly Means.		344.6	336.0	328.0	322.6	319.8	321.2	321.8	322.4	320.9	321.5	320.4	322.5	331.7

From Wild's Magnetometer.

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	668	667	667	663	663	657	654	640	640	643	644	643	—
	2	645	645	645	644	640	633	626	631	627	627	632	643	—
	3	646	647	646	648	646	644	644	645	644	645	646	641	—
	4	650	649	646	646	646	643	640	635	635	636	639	632	—
	5	634	630	630	628	625	628	635	636	631	632	635	630	—
	6	641	641	640	640	640	636	632	639	635	633	622	622	—
	7	646	649	645	644	643	639	635	634	625	627	623	628	—
	8	652	652	652	651	649	642	636	624	624	626	623	627	—
	9	643	643	641	643	640	636	630	628	624	622	627	628	—
	10	646	644	641	640	641	638	632	635	630	627	624	624	—
	11	649	646	640	643	644	641	639	647	645	644	640	641	—
	12	656	657	655	657	657	650	640	644	638	636	637	640	—
	13	654	653	654	654	652	649	646	650	649	646	640	641	—
	14	651	652	650	650	650	648	641	634	633	631	633	634	—
	15	645	645	646	644	645	641	640	623	628	621	624	626	—
	16	628	624	623	623	623	622	620	624	630	634	634	635	—
	17	632	633	630	628	628	624	619	620	620	624	622	623	—
	18	635	634	631	632	631	628	624	627	628	624	634	634	—
	19	635	635	634	634	634	629	623	617	617	619	613	606	—
	20	634	630	630	626	624	622	619	622	618	613	615	616	—
	21	632	629	630	626	624	620	620	622	621	614	612	622	—
	22	630	628	630	625	623	618	613	615	615	611	605	615	—
	23	635	634	634	631	630	625	617	605	606	606	607	612	—
	24	635	634	630	628	628	622	611	609	609	611	616	623	—
	25	630	629	628	627	624	620	615	617	614	611	606	606	—
	26	627	624	623	623	624	622	618	615	606	606	611	613	—
	27	634	634	630	630	630	630	631	633	627	618	616	617	—
	28	638	639	639	638	636	631	627	646	644	641	640	641	—
	29	656	657	661	657	653	650	646	640	634	628	627	630	—
	30	652	650	649	652	650	642	641	647	641	640	644	650	—
Hourly Means.		642.0	641.1	640.0	639.2	638.1	634.3	630.5	630.1	627.9	626.5	626.4	628.1	—

Mean Batavia Time.		1 P M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	635	639	647	654	658	657	655	650	653	652	649	646	651.8
	2	656	658	663	658	661	660	658	661	658	657	653	646	647.0
	3	640	641	649	657	662	660	658	660	659	657	656	652	649.7
	4	636	640	640	641	644	647	646	646	646	641	639	635	641.6
	5	634	630	630	636	646	652	651	651	650	651	649	645	637.5
	6	627	634	641	652	657	657	655	653	656	654	657	652	642.3
	7	635	641	649	655	663	661	658	660	662	662	659	656	645.8
	8	635	637	641	646	650	650	645	647	646	646	646	645	641.3
	9	634	636	641	646	652	652	647	646	646	646	646	646	639.3
	10	630	639	643	648	655	657	656	657	656	654	652	650	642.5
	11	641	644	651	660	673	673	670	669	664	662	660	657	651.8
	12	647	657	656	663	666	664	663	664	663	662	658	657	653.6
	13	643	646	646	653	662	668	664	663	661	658	657	653	652.6
	14	633	643	646	653	657	657	657	656	654	653	650	646	646.3
	15	624	627	628	634	636	641	640	640	640	636	636	630	635.0
	16	644	640	633	636	640	643	640	640	640	639	636	635	632.8
	17	630	631	627	633	635	641	640	641	642	644	643	640	631.3
	18	636	635	633	635	640	641	639	639	640	636	635	635	633.6
	19	604	609	614	624	636	641	641	641	639	636	634	632	627.0
	20	623	627	632	628	638	641	640	640	640	636	635	632	628.4
	21	624	623	623	630	649	662	649	640	639	635	636	632	629.8
	22	616	611	625	632	637	641	641	641	643	641	640	635	626.3
	23	617	624	629	632	640	644	645	641	640	639	636	635	627.7
	24	629	618	618	621	630	636	636	635	634	633	634	630	625.4
	25	616	617	618	624	635	637	635	635	635	633	631	629	623.8
	26	618	620	632	640	641	640	639	639	638	634	635	634	625.9
	27	613	611	618	628	640	645	644	644	646	644	641	639	631.0
	28	635	630	636	651	661	661	662	663	664	664	665	659	646.3
	29	634	634	640	651	657	661	661	656	657	653	652	650	647.7
	30	654	658	655	657	657	658	657	653	651	646	641	641	649.4
Hourly Means.		631.4	633.3	636.8	642.6	649.3	651.6	649.7	649.0	648.7	646.8	645.4	642.5	638.8

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30′ 0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	12.0	12.2	12.5	12.5	12.7	12.9	13.6	12.1	11.2	10.4	10.4	10.9	—
	2	12.3	12.6	12.7	12.7	13.0	13.4	13.8	13.3	12.5	11.9	10.9	10.3	—
	3	12.0	12.1	12.5	12.5	12.6	12.7	12.9	12.6	12.1	11.4	11.0	10.7	—
	4	12.0	12.3	12.5	12.6	12.7	12.6	13.1	12.6	12.0	11.2	10.0	9.4	—
	5	12.0	12.1	12.1	12.3	12.3	12.6	12.8	12.3	11.5	11.1	10.7	11.0	—
	6	12.0	12.2	12.2	12.2	12.3	12.5	13.0	13.0	12.3	11.2	11.1	11.2	—
	7	12.0	12.2	12.3	12.5	12.5	12.5	13.1	13.0	12.3	11.3	9.7	9.7	—
	8	12.2	12.5	12.6	12.7	12.7	13.3	12.7	12.2	11.9	11.5	11.7	11.5	—
	9	12.0	12.2	12.2	12.1	12.2	12.5	11.5	12.2	11.4	11.0	10.4	11.2	—
	10	11.7	12.0	12.3	12.5	12.6	12.6	12.7	11.3	10.6	10.7	10.9	11.5	—
	11	12.1	12.2	11.7	12.2	12.2	12.2	12.7	12.0	11.2	10.7	10.4	11.2	—
	12	12.5	12.6	12.3	12.6	12.5	12.6	12.9	12.6	12.2	12.3	12.5	12.1	—
	13	11.9	12.1	12.1	12.1	12.3	12.6	13.0	12.6	11.7	10.9	10.2	10.1	—
	14	11.8	11.9	12.1	12.0	12.2	12.3	12.7	12.2	11.7	11.4	11.4	11.2	—
	15	12.1	12.2	12.3	12.5	12.5	12.6	13.7	12.9	12.1	11.4	10.9	11.0	—
	16	12.1	12.5	12.5	12.6	12.7	13.0	13.8	12.7	11.4	10.5	10.3	10.4	—
	17	11.4	11.7	11.9	12.1	12.5	12.6	13.6	12.5	11.3	10.4	9.2	10.0	—
	18	11.4	11.7	11.7	12.0	11.9	12.6	13.3	12.5	11.9	11.0	10.4	10.9	—
	19	11.5	11.5	11.9	12.5	12.6	12.5	12.6	12.0	11.0	9.8	10.0	9.8	—
	20	11.4	12.0	11.4	12.0	12.3	11.4	12.2	11.3	10.4	10.1	10.4	10.7	—
	21	11.3	11.5	11.7	12.0	12.0	12.1	12.9	12.5	12.0	11.4	11.0	10.9	—
	22	11.5	12.0	12.0	12.0	12.0	12.2	12.7	11.5	11.2	10.7	11.0	11.7	—
	23	11.3	11.3	11.7	11.9	11.7	12.3	12.5	12.2	11.3	10.7	10.2	10.0	—
	24	11.5	11.5	11.5	11.7	11.9	11.9	12.3	11.4	11.3	11.4	11.4	11.5	—
	25	11.4	11.4	11.4	11.5	11.5	11.7	12.0	11.7	11.4	11.3	11.5	11.9	—
	26	11.5	11.3	11.7	11.5	11.7	11.9	12.6	11.5	10.4	10.1	9.6	10.2	—
	27	11.3	11.4	11.5	11.7	11.7	11.5	12.0	11.9	11.4	11.7	11.8	12.3	—
	28	11.5	11.7	11.9	11.7	11.9	11.9	12.5	11.9	10.4	10.4	11.1	11.3	—
	29	11.4	11.5	11.5	11.9	11.7	12.1	12.2	11.7	11.0	10.4	10.3	10.9	—
	30	11.4	11.4	11.5	11.5	11.5	11.8	12.1	11.2	10.3	10.2	9.3	10.7	—
	31	11.5	11.9	12.0	12.0	12.0	12.1	12.6	11.4	10.3	10.2	10.4	11.0	—
Hourly Means.		11.74	11.93	12.01	12.15	12.22	12.37	12.78	12.15	11.41	10.93	10.65	10.88	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	11.3	12.2	12.6	12.8	12.5	12.0	11.9	12.0	12.0	12.0	12.2	12.3	12.05
	2	10.3	11.0	12.1	12.3	12.1	11.7	11.5	11.5	11.5	11.4	11.7	11.7	12.01
	3	10.9	11.5	12.5	12.3	11.7	11.4	11.5	11.9	11.9	11.9	12.0	11.9	11.94
	4	10.2	11.3	12.6	12.5	12.0	11.7	11.8	11.9	11.8	11.8	11.8	11.9	11.85
	5	11.4	12.1	12.7	12.6	12.7	12.3	12.0	12.0	12.0	12.0	11.7	11.7	12.00
	6	11.4	12.1	12.7	13.5	13.4	12.2	11.7	11.9	11.8	11.5	11.9	11.9	12.13
	7	10.1	11.3	12.5	13.0	12.5	12.0	12.2	12.3	11.5	12.0	12.0	12.0	11.94
	8	11.9	12.7	13.3	13.4	12.9	12.2	11.7	11.7	11.5	11.4	11.7	11.7	12.23
	9	11.4	11.5	12.7	13.4	13.4	12.2	12.0	12.0	12.0	11.7	12.0	11.5	11.95
	10	11.5	12.1	12.6	12.6	12.6	12.0	11.4	11.5	11.5	11.5	11.9	11.9	11.85
	11	11.7	12.5	12.8	12.5	11.9	11.4	11.4	11.4	11.3	11.5	11.9	12.3	11.81
	12	12.0	12.0	12.6	12.3	12.2	11.3	11.4	11.4	11.5	11.3	11.7	11.7	12.13
	13	10.0	11.0	12.0	12.3	12.0	11.4	11.5	11.5	11.5	11.5	11.9	11.9	11.67
	14	11.5	12.0	12.5	12.6	12.5	11.5	11.5	11.5	11.5	11.9	11.9	11.9	11.90
	15	11.3	11.4	12.6	12.7	12.7	12.1	11.9	11.8	11.9	11.9	11.9	11.9	12.10
	16	11.3	11.5	11.9	12.2	12.0	11.4	11.3	11.3	11.3	11.3	11.5	11.3	11.78
	17	11.3	11.3	12.7	13.4	13.3	12.2	11.4	11.9	11.5	11.4	11.0	11.4	11.75
	18	11.3	11.3	12.3	12.1	12.1	11.5	11.2	11.1	11.4	11.5	11.4	11.7	11.68
	19	9.3	11.3	12.5	13.6	12.6	12.0	11.8	11.4	11.3	11.4	11.3	11.2	11.56
	20	11.4	12.0	12.5	12.5	12.5	11.3	11.2	11.4	11.3	11.3	11.0	11.3	11.47
	21	11.3	12.2	12.7	12.5	12.6	11.4	11.3	11.4	11.4	11.5	11.5	11.4	11.77
	22	12.7	12.8	12.7	12.5	12 5	11.3	11.3	11.2	11.3	11.1	11.4	11.2	11.77
	23	10.4	11.2	12.0	12.3	12.0	11.5	11.7	11.7	11.5	11.3	11.5	11.3	11.48
	24	11.9	11.5	12.0	12.0	12.0	11.3	11.4	11.3	11.3	11.4	11.5	11.4	11.60
	25	12.3	12.2	12.5	12.3	12.1	11.5	11.4	11.4	11.3	11.2	11.4	11.4	11.65
	26	10.4	11.0	11.4	11.2	11.5	11.4	11.4	11.2	11.2	11.3	11.3	11.2	11.19
	27	12.7	13.0	12.7	12.5	11.9	11.4	11.4	11.4	11.3	11.3	11.4	11.4	11.78
	28	11.5	12.1	12.5	12.5	12.3	11.7	11.4	11.3	11.3	11.3	11.4	11.3	11.62
	29	11.4	12.1	12.6	12.3	12.3	11.9	11.5	11.4	11.4	11.3	11.3	11.4	11.56
	30	11.4	12.1	12.0	11.8	11.8	11.5	11.5	11.4	11.2	10.3	11.2	11.4	11.27
	31	11.1	11.3	12.5	12.6	12.0	11.4	11.3	11.2	11.3	11.2	11.3	11.3	11.50
Hourly Means.		11.25	11.79	12.46	12.55	12.34	11.68	11.55	11.56	11.50	11.46	11.60	11.61	11.77

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	329	331	327	323	326	333	344	351	355	358	356	351	—
	2	316	316	318	322	323	326	336	346	358	359	356	348	—
	3	329	328	327	331	331	333	340	349	355	356	356	349	—
	4	328	327	329	331	334	337	341	351	359	367	371	366	—
	5	326	329	327	330	335	339	345	350	352	351	359	360	—
	6	325	325	326	327	346	349	352	351	354	355	360	360	—
	7	331	335	327	334	335	341	349	355	346	337	340	344	—
	8	315	320	323	320	318	336	336	336	339	339	345	349	—
	9	314	313	313	315	315	318	328	335	339	346	351	350	—
	10	320	322	325	327	328	331	335	335	339	342	343	348	—
	11	321	324	328	326	321	325	335	345	349	359	363	364	—
	12	311	311	315	311	316	320	327	329	337	345	349	344	—
	13	313	315	318	316	317	322	329	344	342	344	344	332	—
	14	317	323	317	322	322	322	328	331	339	349	358	358	—
	15	317	318	320	320	320	322	326	330	337	342	342	337	—
	16	318	316	320	320	321	326	337	347	354	360	363	360	—
	17	325	327	329	328	335	340	358	379	384	393	363	369	—
	18	300	302	305	308	311	317	327	340	340	339	345	349	—
	19	302	303	305	306	311	320	329	326	329	344	349	350	—
	20	302	311	308	305	308	307	316	329	322	330	340	335	—
	21	310	306	307	311	317	318	326	328	329	336	329	331	—
	22	301	305	306	305	310	316	320	327	335	334	347	339	—
	23	309	311	310	315	315	316	322	329	340	347	352	344	—
	24	314	313	320	319	317	322	328	335	342	345	350	339	—
	25	314	316	317	316	317	318	325	336	348	353	359	356	—
	26	316	320	320	319	320	321	329	335	345	350	349	347	—
	27	316	317	319	321	321	323	326	333	340	353	356	358	—
	28	316	316	318	318	320	321	327	335	340	351	358	353	—
	29	319	320	321	321	323	327	337	346	358	366	370	364	—
	30	324	325	327	327	327	328	330	339	344	350	356	354	—
	31	326	323	327	326	328	330	336	345	354	365	360	356	—
Hourly Means.		316.9	318.3	319.3	320.0	322.2	325.9	333.0	340.2	345.3	350.5	352.9	350.5	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	347	329	316	311	321	322	322	322	316	313	313	319	330.6
	2	340	336	329	323	322	321	323	323	325	327	327	329	331.2
	3	346	342	333	330	326	329	327	327	327	329	329	330	335.8
	4	360	351	332	330	327	328	328	328	330	331	330	328	339.3
	5	360	353	341	335	323	322	324	322	321	320	321	323	336.2
	6	360	357	341	325	318	320	324	316	322	327	328	331	337.5
	7	340	334	327	325	327	321	310	302	320	311	309	311	329.6
	8	338	334	322	311	312	306	307	303	305	306	309	311	322.5
	9	337	321	314	311	312	316	318	315	310	306	303	316	321.5
	10	346	337	322	313	311	315	316	316	316	320	320	318	326.9
	11	357	333	320	316	320	315	320	321	321	312	311	316	330.1
	12	333	325	316	315	313	317	316	314	312	311	309	313	321.2
	13	328	324	316	312	316	316	317	317	313	313	311	312	322.1
	14	347	333	323	322	321	321	315	312	316	316	317	316	326.9
	15	329	323	313	306	305	308	312	313	315	315	316	316	320.9
	16	352	343	327	318	316	317	318	319	317	320	321	323	330.5
	17	341	325	306	297	291	301	292	291	291	292	287	291	326.5
	18	315	307	296	301	302	303	303	307	316	301	296	296	313.6
	19	344	315	301	286	295	305	297	300	301	296	302	303	313.3
	20	323	315	302	297	297	294	306	308	308	303	311	311	312.0
	21	326	326	311	307	299	309	312	311	305	320	310	303	316.1
	22	320	303	305	307	306	308	306	309	299	308	309	309	313.9
	23	334	325	321	317	316	315	315	313	312	311	310	312	321.3
	24	333	328	318	316	311	311	311	313	313	313	311	312	322.3
	25	347	331	321	318	320	315	316	318	317	320	314	316	326.2
	26	347	337	326	317	313	315	314	315	314	314	313	316	325.5
	27	349	337	328	325	321	316	313	313	312	313	316	317	326.8
	28	344	335	334	321	317	316	317	317	317	317	318	318	326.8
	29	357	349	342	337	331	327	326	321	321	320	321	322	335.3
	30	349	341	335	332	330	329	324	325	327	326	326	323	333.3
	31	342	330	327	334	330	327	329	329	327	327	325	325	334.5
Hourly Means.		341.6	331.6	321.5	316.6	315.1	315.6	315.4	314.8	315.0	314.8	314.3	315.7	326.1

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	640	635	636	641	640	635	629	631	635	638	629	624	—
	2	641	641	641	641	641	638	632	636	636	635	634	635	—
	3	630	630	630	629	629	628	624	622	618	624	624	627	—
	4	636	635	634	632	630	626	624	616	615	616	618	614	—
	5	635	632	632	630	627	624	623	623	622	623	617	621	—
	6	644	642	641	639	628	624	623	628	632	639	639	636	—
	7	644	641	643	641	640	635	630	639	645	657	652	643	—
	8	650	646	644	645	646	633	633	635	630	635	637	639	—
	9	654	653	653	652	653	646	641	640	640	639	633	628	—
	10	641	641	636	635	637	635	634	650	640	637	632	630	—
	11	657	656	654	656	658	652	646	629	628	615	607	611	—
	12	644	644	640	644	640	636	632	652	636	632	636	645	—
	13	657	657	654	657	656	651	650	651	647	647	644	646	—
	14	657	656	657	656	654	652	651	650	645	641	637	644	—
	15	656	656	656	657	657	653	647	647	650	647	646	647	—
	16	649	649	646	647	649	642	636	635	632	630	628	628	—
	17	647	647	646	646	643	640	629	623	624	632	641	641	—
	18	657	653	652	650	649	643	635	636	636	640	643	643	—
	19	658	657	654	657	651	649	645	650	649	645	646	648	—
	20	661	656	657	657	654	655	649	649	646	643	631	637	—
	21	652	654	653	651	648	644	640	650	652	652	653	649	—
	22	658	653	652	652	647	641	639	637	634	634	631	631	—
	23	650	647	648	644	646	641	637	639	634	632	639	639	—
	24	646	646	641	641	641	639	632	627	620	617	616	624	—
	25	645	644	641	641	640	636	629	623	615	611	613	624	—
	26	641	639	639	641	640	636	635	638	635	630	624	624	—
	27	641	640	640	637	636	636	629	630	624	618	619	619	—
	28	647	647	646	645	645	644	639	635	636	636	635	631	—
	29	637	635	636	637	635	634	625	627	619	609	601	607	—
	30	640	638	635	635	635	633	630	616	609	605	602	601	—
	31	628	628	627	628	627	627	620	619	615	616	617	623	—
Hourly Means.		646.5	645.1	644.0	644.0	642.6	639.0	634.5	634.9	632.2	631.5	629.8	630.9	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	620	621	635	644	645	648	646	646	649	650	647	641	637.7
	2	630	623	622	628	636	641	641	640	638	636	635	634	635.6
	3	624	620	624	624	641	644	645	645	644	643	641	639	631.2
	4	616	611	613	630	639	641	641	641	640	638	636	635	628.2
	5	616	615	619	627	636	646	647	650	650	649	648	646	631.6
	6	635	627	634	634	649	660	651	656	651	649	646	644	639.6
	7	645	640	641	646	653	655	658	663	653	656	654	652	646.9
	8	645	641	646	653	658	663	661	663	661	658	657	655	647.3
	9	635	632	635	641	652	657	658	656	656	656	653	646	646.0
	10	639	648	652	658	663	667	663	662	662	661	658	658	647.5
	11	618	634	641	650	652	652	647	646	646	646	646	641	641.2
	12	653	657	658	662	664	663	663	663	663	663	661	657	650.3
	13	647	643	645	654	663	667	666	667	667	665	663	660	655.2
	14	646	648	651	652	662	666	663	667	664	663	661	658	654.4
	15	657	656	646	650	658	661	657	658	657	654	653	651	653.2
	16	634	643	647	652	657	661	659	659	659	657	655	652	646.1
	17	646	653	656	663	671	667	670	671	671	667	667	663	651.0
	18	660	657	654	656	658	663	664	663	659	667	669	664	653.0
	19	648	652	654	670	668	665	669	670	669	669	663	662	657.0
	20	640	646	652	657	661	667	663	661	660	662	658	652	653.1
	21	645	636	635	639	652	658	658	657	659	652	658	658	650.2
	22	641	647	641	641	646	654	656	655	658	652	652	652	646.0
	23	640	638	632	635	645	651	650	651	652	652	652	649	643.5
	24	634	638	641	644	649	650	649	647	646	646	646	646	638.6
	25	634	640	641	641	644	649	646	645	645	645	646	642	636.7
	26	624	627	636	640	646	647	647	647	646	645	645	642	638.1
	27	632	644	649	655	658	660	660	658	657	653	651	649	641.5
	28	634	640	641	645	646	649	646	646	644	643	641	640	641.7
	29	615	622	629	635	644	650	649	651	647	647	641	641	632.2
	30	602	607	613	624	630	637	640	639	636	635	634	631	625.3
	31	632	630	633	632	639	643	641	640	639	636	635	631	629.4
Hourly Means.		635.1	636.6	639.2	644.6	651.1	654.9	654.0	654.3	653.2	652.1	650.7	648.1	642.9

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30.'0 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	11.6	11.7	11.7	11.9	12.3	12.5	12.6	11.4	10.3	9.2	9.8	10.0	—
	2	11.3	11.4	11.4	11.5	11.8	12.3	12.6	11.5	10.6	9.9	9.4	10.3	—
	3	11.6	11.6	11.7	11.9	12.0	12.0	12.6	12.0	11.6	11.0	11.5	12.2	—
	4	11.6	11.7	11.7	11.8	11.9	12.3	12.4	11.5	10.3	10.0	9.3	10.2	—
	5	11.3	11.5	11.6	11.7	12.0	12.5	13.0	11.7	10.1	8.2	7.1	7.8	—
	6	11.1	11.4	11.6	11.7	11.8	12.2	12.7	12.2	11.4	11.4	11.5	12.2	—
	7	11.6	11.7	11.8	12.2	12.2	12.4	12.4	10.6	9.3	9.0	8.2	8.7	—
	8	11.6	11.7	12.0	12.4	12.4	12.7	12.8	11.6	10.6	9.3	9.4	10.9	—
	9	11.7	12.2	11.9	12.2	12.3	12.3	12.7	10.9	9.3	8.5	8.3	9.1	—
	10	11.6	11.6	12.2	11.8	12.3	12.4	13.6	13.2	11.6	11.0	10.6	10.5	—
	11	11.6	11.5	11.6	11.7	11.8	12.2	12.5	11.6	10.0	10.1	10.3	10.7	—
	12	11.5	11.5	11.6	11.7	11.7	12.2	12.4	11.3	9.9	9.5	9.8	10.1	—
	13	11.6	11.6	11.7	11.8	12.2	12.2	12.3	10.9	9.9	9.8	10.8	11.3	—
	14	11.6	11.7	11.7	12.0	12.2	12.6	12.2	10.8	9.3	9.2	9.4	10.3	—
	15	11.5	11.1	11.6	11.7	12.4	12.7	13.8	12.2	11.3	9.1	8.3	9.0	—
	16	11.3	11.5	11.4	11.6	11.9	12.8	13.0	11.7	9.4	8.9	9.0	8.6	—
	17	11.8	11.6	11.7	11.6	11.8	12.5	13.0	11.6	10.2	9.8	9.5	9.9	—
	18	11.4	11.5	11.6	11.8	12.0	12.3	12.3	11.1	9.9	9.8	10.3	11.0	—
	19	11.3	11.6	11.6	12.0	12.2	12.2	12.3	10.9	9.9	8.6	8.2	8.3	—
	20	11.6	11.5	11.5	11.6	11.6	11.8	12.2	11.5	9.4	8.3	7.9	8.3	—
	21	11.5	11.5	11.6	11.6	11.7	12.3	12.7	11.1	9.5	8.7	7.6	7.3	—
	22	11.6	11.6	11.7	11.7	11.6	12.0	12.0	10.9	9.9	9.4	9.0	9.0	—
	23	11.5	11.5	11.6	11.6	11.6	12.2	12.7	11.5	10.3	9.4	9.3	9.4	—
	24	11.3	11.0	11.5	11.4	11.6	12.2	12.7	11.5	10.5	9.2	9.2	9.8	—
	25	11.6	11.7	11.8	12.0	12.2	12.4	12.7	11.7	10.6	10.2	9.8	9.7	—
	26	11.5	11.5	11.5	11.5	11.6	12.2	13.2	12.3	11.0	10.2	10.2	10.5	—
	27	11.1	11.0	11.4	11.5	11.6	12.2	12.5	10.5	8.9	8.2	8.3	9.3	—
	28	11.1	11.1	11.3	11.4	11.5	11.8	11.4	9.9	8.7	8.2	8.7	10.0	—
	29	11.4	11.4	11.5	11.6	11.6	11.8	12.2	10.5	9.1	9.1	10.2	11.1	—
	30	11.5	11.5	11.6	11.6	11.7	12.2	11.9	11.0	10.1	10.2	10.5	11.6	—
	31	11.5	11.4	11.6	11.6	11.8	12.3	12.2	10.5	8.9	7.7	7.9	9.3	—
	Hourly Means.	11.48	11.51	11.64	11.75	11.91	12.28	12.57	11.34	10.06	9.39	9.33	9.88	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	10.6	11.5	12.2	12.5	12.6	11.6	11.5	11.5	11.4	11.4	11.1	11.4	11.43
	2	11.4	11.8	12.8	13.4	13.2	12.4	12.0	11.7	11.9	11.6	11.5	11.6	11.64
	3	12.4	12.5	12.5	12.5	12.2	11.4	11.1	11.3	11.3	11.1	11.4	11.5	11.79
	4	11.4	12.2	12.7	12.8	12.3	11.5	11.4	11.4	11.4	11.3	11.4	11.4	11.50
	5	9.3	10.6	11.7	12.7	12.4	11.6	11.1	11.0	11.1	10.9	11.1	11.0	10.96
	6	12.4	12.6	12.3	12.0	12.0	11.5	11.4	11.4	11.4	11.4	11.5	11.5	11.78
	7	9.8	10.5	11.7	12.4	11.7	11.5	11.6	11.4	11.4	11.0	11.1	11.4	11.07
	8	11.5	12.2	12.8	12.6	11.9	11.5	11.4	10.9	11.1	11.0	11.4	11.4	11.55
	9	10.5	11.7	12.6	12.6	12.2	11.5	11.4	11.3	11.1	11.0	11.4	11.3	11.25
	10	10.6	11.6	12.3	12.5	12.3	11.6	11.5	11.5	11.4	11.1	11.4	11.5	11.74
	11	11.5	12.2	12.7	12.6	12.2	11.6	11.4	11.3	11.4	11.4	11.5	11.5	11.54
	12	10.6	11.6	12.7	12.4	11.9	11.5	11.5	11.4	11.5	11.4	11.5	11.5	11.36
	13	11.5	12.4	13.2	12.8	12.3	11.7	11.6	11.5	11.6	11.5	11.6	11.5	11.64
	14	10.9	12.0	13.5	13.5	12.6	11.5	11.7	11.1	11.5	11.4	11.1	11.6	11.48
	15	9.3	10.6	12.4	13.8	13.6	11.9	11.6	11.1	10.9	11.0	10.2	10.7	11.33
	16	9.9	11.3	12.2	13.0	13.0	12.2	11.5	11.5	11.4	11.1	10.2	11.4	11.24
	17	11.3	11.5	12.5	12.5	12.3	11.6	11.8	11.4	11.4	11.1	11.5	11.3	11.47
	18	11.7	12.6	12.7	12.6	12.2	11.6	11.5	11.4	10.2	10.9	11.4	11.5	11.47
	19	9.2	10.1	11.6	12.4	12.6	12.2	11.6	11.4	11.3	11.4	11.4	11.4	11.07
	20	9.4	11.1	12.6	12.7	12.8	11.8	11.7	11.6	11.6	11.4	11.5	11.5	11.12
	21	8.3	10.2	11.8	12.7	12.7	12.2	11.8	11.6	11.5	11.4	11.5	11.5	11.01
	22	10.0	11.6	12.2	12.4	12.3	12.0	11.7	11.6	11.5	11.4	11.5	11.6	11.26
	23	10.0	10.3	11.5	11.6	12.4	11.7	11.6	11.6	11.5	11.4	11.5	10.9	11.19
	24	10.2	11.4	12.6	12.6	12.5	11.9	11.6	11.5	11.3	11.3	11.4	11.5	11.31
	25	10.0	11.0	12.4	12.4	12.2	11.5	11.6	11.5	11.4	11.1	11.3	11.4	11.43
	26	10.6	11.0	11.4	11.5	12.3	11.7	11.7	11.7	11.5	11.3	11.4	11.1	11.43
	27	10.6	12.3	13.2	13.0	12.6	11.7	11.7	11.4	11.4	11.1	11.3	11.0	11.16
	28	10.9	12.2	12.7	12.4	12.2	11.6	11.5	11.1	11.3	11.0	11.3	11.1	11.02
	29	11.9	12.4	12.5	11.6	11.6	11.4	11.1	11.3	11.3	11.3	11.1	11.4	11.27
	30	11.6	12.5	12.8	12.3	11.7	11.3	11.4	11.4	11.4	11.3	11.4	11.5	11.50
	31	10.5	11.7	13.3	13.0	12.5	11.5	11.3	11.1	11.1	11.0	10.9	11.1	11.07
	Hourly Means.	10.64	11.58	12.45	12.57	12.36	11.68	11.53	11.38	11.34	11.23	11.28	11.35	11.36

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36800 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	333	334	336	339	345	356	364	371	377	381	381	382	—
	2	325	324	329	328	331	336	343	348	353	361	360	356	—
	3	326	328	329	330	331	335	342	345	347	356	368	369	—
	4	330	330	330	331	333	338	345	354	367	373	369	362	—
	5	328	328	326	327	329	334	344	353	362	367	366	362	—
	6	327	326	328	328	331	336	342	352	365	369	373	369	—
	7	320	325	321	321	330	328	338	349	355	356	350	354	—
	8	310	320	312	317	321	329	344	352	362	376	381	369	—
	9	312	312	319	316	317	324	330	344	358	363	366	345	—
	10	305	305	310	310	310	314	320	324	345	350	351	349	—
	11	305	312	312	312	311	318	329	338	343	349	355	348	—
	12	311	316	314	314	315	319	326	338	346	355	359	345	—
	13	311	314	315	316	315	319	327	335	348	353	348	342	—
	14	323	323	326	329	333	334	343	348	351	354	358	356	—
	15	297	304	321	315	319	327	340	347	349	352	353	347	—
	16	291	297	295	313	305	301	310	327	338	336	333	327	—
	17	306	304	301	300	305	309	321	334	339	342	340	325	—
	18	302	305	305	309	305	309	314	329	344	350	331	328	—
	19	317	305	300	302	304	306	314	325	325	338	338	333	—
	20	295	299	305	306	310	314	321	339	348	352	362	353	—
	21	299	299	301	302	305	306	315	325	333	336	339	338	—
	22	313	312	312	316	316	316	323	329	335	348	348	357	—
	23	316	314	312	319	323	324	332	343	350	351	349	349	—
	24	315	314	315	320	321	319	328	338	338	349	348	343	—
	25	305	310	313	317	319	326	333	338	341	341	344	347	—
	26	309	310	311	313	314	315	324	335	345	351	348	342	—
	27	300	305	301	305	307	312	320	331	338	349	358	358	—
	28	308	309	311	317	319	319	329	344	353	361	362	356	—
	29	306	313	310	310	314	318	328	343	357	361	363	349	—
	30	308	309	311	314	319	323	332	343	349	356	358	349	—
	31	314	318	319	320	323	330	342	357	368	375	374	365	—
Hourly Means.		311.8	313.7	314.5	316.6	318.7	322.4	331.1	341.2	349.3	355.2	355.9	350.8	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	376	363	350	340	329	331	320	323	319	320	315	323	346.2
	2	348	333	324	324	324	325	324	321	324	324	323	324	333.8
	3	362	354	336	327	325	327	329	329	329	328	329	330	338.0
	4	349	331	324	324	328	326	328	329	332	330	328	326	338.2
	5	342	337	324	314	319	321	323	328	323	325	326	326	334.8
	6	362	352	340	333	330	329	328	327	327	326	324	323	339.5
	7	348	338	325	323	321	319	307	299	300	307	312	309	327.3
	8	352	349	334	326	320	312	309	314	311	312	307	312	331.1
	9	338	330	320	302	309	312	312	311	311	311	303	305	323.8
	10	339	327	316	310	304	305	306	305	300	307	309	308	317.9
	11	334	321	309	305	305	303	307	304	305	305	306	309	318.5
	12	335	329	324	319	318	316	313	311	310	310	310	310	323.5
	13	338	331	321	317	317	319	320	318	318	318	319	321	325.0
	14	349	343	334	326	320	325	318	318	315	310	314	305	331.5
	15	331	323	291	267	270	273	290	285	293	286	293	287	310.8
	16	325	309	286	273	280	287	296	295	294	293	299	285	304.0
	17	316	295	287	285	291	295	291	299	295	286	294	294	306.4
	18	316	312	310	299	296	297	302	299	319	299	302	300	311.8
	19	329	321	307	303	297	296	304	305	303	296	295	290	310.5
	20	325	296	275	267	266	298	300	293	287	291	295	300	308.2
	21	328	315	300	300	297	300	288	308	309	309	312	313	311.5
	22	354	343	329	319	311	311	312	316	316	316	314	312	324.1
	23	347	345	333	325	319	314	310	309	305	309	310	318	326.1
	24	337	332	323	319	309	304	303	309	315	311	310	309	322.0
	25	339	334	308	301	305	308	306	302	300	302	302	305	318.6
	26	329	321	312	307	301	301	295	290	290	296	300	299	314.9
	27	353	339	324	307	300	300	299	307	309	308	308	309	318.6
	28	344	328	319	307	301	297	300	305	305	307	306	307	321.4
	29	350	335	324	319	320	319	313	311	307	305	306	308	324.5
	30	347	334	320	316	314	312	309	312	314	313	313	312	324.5
	31	353	338	312	309	305	310	307	309	309	307	309	305	328.3
Hourly Means.		341.8	330.9	317.5	310.1	308.1	309.4	308.7	309.4	309.5	308.6	309.5	309.2	323.1

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.9700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	630	627	625	623	619	611	607	601	599	601	600	596	—
	2	628	626	621	622	618	611	606	615	614	620	618	627	—
	3	633	630	627	624	623	619	611	617	622	618	611	620	—
	4	639	636	635	633	630	624	623	624	618	617	619	617	—
	5	642	641	640	637	634	627	624	630	629	631	628	617	—
	6	646	645	641	640	638	634	630	628	625	623	620	620	—
	7	652	650	650	650	646	644	641	646	645	640	640	635	—
	8	657	652	656	652	651	644	636	635	635	625	613	614	—
	9	658	658	656	657	657	651	646	647	644	640	640	644	—
	10	663	663	661	661	661	657	653	649	641	639	641	644	—
	11	662	658	658	658	657	654	647	640	639	628	628	635	—
	12	650	649	651	650	649	644	644	654	653	645	640	645	—
	13	660	658	657	657	657	655	652	657	649	636	630	636	—
	14	656	655	652	652	649	646	649	646	638	628	627	634	—
	15	667	663	649	653	652	645	641	646	656	666	669	664	—
	16	657	652	653	645	651	652	652	652	653	649	646	648	—
	17	652	653	655	656	653	652	645	640	641	644	641	646	—
	18	645	641	641	639	640	636	636	636	632	622	623	618	—
	19	640	641	645	644	641	639	635	635	641	636	641	641	—
	20	649	644	640	639	637	634	632	635	633	627	630	632	—
	21	640	639	637	635	632	629	628	652	654	653	652	647	—
	22	657	656	655	652	652	649	646	652	657	653	639	622	—
	23	651	649	650	644	639	638	634	632	635	636	631	624	—
	24	651	652	650	646	646	642	641	632	634	628	628	632	—
	25	657	653	652	650	648	644	644	651	650	650	646	646	—
	26	662	662	661	659	658	655	648	657	658	658	653	655	—
	27	669	668	669	668	665	661	658	658	656	641	630	627	—
	28	663	662	661	656	657	656	653	646	646	639	632	635	—
	29	662	658	659	661	658	652	652	655	645	640	627	635	—
	30	669	668	666	664	662	657	656	651	646	643	645	652	—
	31	672	670	668	666	663	660	658	657	654	652	649	645	—
Hourly Means.		652.9	650.9	649.7	648.2	646.5	642.6	639.6	641.2	640.1	636.4	633.5	634.0	—

Mean Bafavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	599	602	612	624	640	641	645	641	644	640	640	632	620.8
	2	632	634	635	633	635	644	642	645	643	641	640	636	628.6
	3	635	646	647	647	652	651	646	645	645	645	642	640	633.2
	4	613	619	629	633	641	647	646	646	646	646	647	646	632.3
	5	616	622	624	630	641	646	646	646	649	649	649	646	635.2
	6	628	638	646	647	649	653	653	653	653	653	652	652	640.3
	7	632	628	628	635	646	655	663	667	665	660	657	658	647.2
	8	618	633	644	656	666	669	669	667	665	663	664	659	647.6
	9	643	641	650	661	663	667	668	668	666	665	668	666	655.2
	10	647	657	662	664	670	673	670	670	670	667	664	662	658.7
	11	640	640	641	650	658	658	661	662	661	658	655	652	650.0
	12	650	652	653	663	669	671	669	670	669	667	664	662	655.5
	13	640	643	658	667	669	669	667	667	666	663	662	658	655.5
	14	638	634	644	656	667	666	668	669	669	669	663	666	651.7
	15	668	662	659	672	680	681	668	670	663	669	663	661	662.0
	16	637	639	646	653	658	661	658	662	664	667	660	667	653.4
	17	643	656	657	655	655	654	657	657	657	659	653	652	651.4
	18	623	623	628	639	641	646	646	650	645	652	648	646	637.3
	19	636	633	631	634	641	650	649	650	652	653	652	653	642.2
	20	641	643	649	653	657	641	645	650	651	647	644	641	641.4
	21	647	640	646	647	657	662	669	660	658	658	658	657	648.2
	22	623	631	642	650	658	660	658	656	654	653	654	653	649.3
	23	629	634	635	637	646	656	658	657	659	657	655	649	643.1
	24	637	638	636	641	652	658	658	655	653	654	655	657	644.8
	25	650	653	669	673	673	672	670	672	673	670	669	666	658.4
	26	662	673	678	673	674	678	680	681	680	675	673	672	666.0
	27	631	643	653	667	678	679	678	671	669	669	668	663	660.0
	28	635	637	645	661	673	674	674	673	670	668	667	663	656.1
	29	635	651	663	669	673	674	675	677	678	678	674	670	659.2
	30	662	663	670	674	680	681	681	680	679	679	676	675	665.8
	31	639	639	652	668	680	683	684	684	685	685	682	682	665.7
Hourly Means.		636.4	640.2	646.2	652.6	659.4	661.9	662.0	662.0	661.3	660.6	658.6	656.8	648.9

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30′0 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	11.1	11.1	11.3	11.5	11.6	11.6	11.0	9.3	7.9	7.1	7.9	9.2	—
	2	11.3	11.3	11.3	11.5	11.7	12.3	11.7	9.4	7.9	7.9	9.0	10.4	—
	3	11.2	11.3	11.2	11.2	11.5	12.1	11.7	10.0	8.2	7.1	7.1	8.3	—
	4	11.6	11.5	11.5	11.7	11.8	12.1	12.1	10.4	9.3	8.8	8.4	9.7	—
	5	11.1	11.2	11.5	11.6	11.8	12.7	12.6	10.5	9.2	9.0	9.3	10.5	—
	6	11.5	11.5	11.7	11.8	11.8	12.4	11.6	9.3	8.3	7.7	8.2	9.2	—
	7	11.2	11.1	12.1	11.3	11.6	12.5	12.6	12.3	10.3	9.4	10.1	10.4	—
	8	11.2	11.3	11.5	11.5	11.6	11.8	12.1	10.7	9.9	9.0	8.6	9.0	—
	9	11.5	11.5	11.2	11.3	11.6	12.5	13.2	11.2	9.3	8.2	8.2	8.5	—
	10	11.5	11.6	11.7	11.6	11.8	12.3	12.3	10.5	9.4	9.1	8.8	9.2	—
	11	11.3	11.5	11.5	11.6	11.5	11.3	11.1	10.1	9.1	9.1	9.4	11.2	—
	12	11.1	11.2	11.0	11.0	11.2	11.3	11.3	11.3	9.3	8.3	8.3	9.3	—
	13	10.5	11.1	11.5	11.3	11.5	11.5	11.1	9.7	9.0	8.8	9.3	10.2	—
	14	11.1	11.1	11.1	11.3	11.2	11.6	11.5	9.7	9.1	8.8	9.3	10.2	—
	15	11.3	11.3	11.5	11.8	11.5	11.6	11.0	9.6	8.3	8.2	8.8	9.7	—
	16	11.0	11.0	11.1	11.6	11.7	12.0	11.5	9.5	8.2	7.2	7.7	8.6	—
	17	11.3	11.5	11.7	11.7	11.6	11.7	11.3	9.9	8.7	8.7	9.1	9.9	—
	18	11.2	11.1	11.2	11.5	11.6	11.6	11.5	9.4	8.8	9.0	9.3	10.2	—
	19	10.9	11.2	11.2	11.3	11.3	11.5	11.0	9.4	8.7	8.3	8.8	9.4	—
	20	11.2	11.2	11.1	11.0	11.5	11.3	10.5	9.0	8.3	8.0	8.6	9.3	—
	21	11.0	11.3	11.0	11.0	11.0	11.6	11.7	11.0	10.1	9.9	9.9	10.4	—
	22	10.7	10.4	10.4	10.5	10.4	11.3	11.0	9.4	9.0	9.3	9.9	10.5	—
	23	10.5	10.7	10.9	11.0	11.0	11.1	10.5	9.0	7.8	8.2	9.1	9.4	—
	24	10.5	10.9	10.9	11.0	11.0	11.2	10.5	9.4	9.1	9.9	10.4	11.0	—
	25	10.9	10.9	10.9	11.0	10.9	11.3	10.9	9.5	8.7	9.3	10.5	11.6	—
	26	10.5	11.1	11.1	11.3	11.7	12.4	11.2	9.1	8.4	8.4	9.0	10.0	—
	27	11.2	11.2	11.2	11.3	11.3	11.0	10.4	9.2	9.0	9.1	9.7	10.9	—
	28	11.3	11.5	11.6	11.7	11.6	11.8	10.5	9.1	8.3	8.2	9.4	10.0	—
	29	10.5	11.0	11.1	11.3	11.3	11.1	9.4	7.0	5.5	6.0	7.7	10.5	—
	30	11.0	11.2	11.3	11.3	11.5	11.6	10.5	8.3	7.0	7.9	9.3	11.3	—
Hourly Means.		11.07	11.19	11.28	11.35	11.44	11.74	11.31	9.74	8.67	8.46	8.97	9.93	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	10.9	12.3	13.3	12.5	11.8	11.5	11.3	11.3	11.3	11.5	11.6	11.5	10.89
	2	11.5	12.7	13.2	12.9	12.3	11.5	11.2	11.3	11.2	11.2	10.5	11.2	11.10
	3	10.0	12.6	14.3	13.6	12.6	12.7	11.8	11.5	11.6	11.5	11.6	11.5	11.09
	4	10.2	11.1	11.5	11.9	12.0	11.5	11.2	11.2	11.1	11.0	11.1	11.1	10.99
	5	11.5	12.6	12.7	12.8	12.7	11.8	11.6	11.5	11.1	11.0	11.3	11.3	11.37
	6	10.4	11.5	12.5	12.6	12.3	11.5	11.2	11.1	10.9	11.0	11.1	11.3	10.93
	7	11.0	11.3	12.0	12.3	12.7	11.6	11.5	11.3	11.3	11.1	11.2	11.1	11.39
	8	9.3	10.5	12.0	12.1	12.1	11.5	11.5	11.5	11.6	11.6	11.6	11.5	11.04
	9	8.7	10.3	12.3	12.5	12.3	11.5	11.6	11.6	11.5	11.5	11.6	11.3	11.04
	10	9.7	10.5	11.6	11.8	11.7	11.1	11.1	11.2	11.3	11.2	11.3	11.1	10.98
	11	11.6	12.4	12.7	11.5	11.8	12.6	12.0	11.6	11.7	11.3	11.2	11.1	11.26
	12	10.4	12.0	12.7	12.9	12.4	11.6	11.3	11.3	10.5	10.7	10.4	10.5	10.89
	13	10.5	11.6	12.1	12.8	12.7	12.5	11.6	11.5	11.2	11.2	11.1	11.0	11.05
	14	11.2	11.3	11.5	11.6	11.7	11.5	11.7	11.6	11.5	11.3	11.0	11.2	10.96
	15	10.0	11.6	12.5	12.0	12.4	12.1	11.9	12.3	11.7	11.3	11.2	11.1	11.03
	16	9.4	10.5	11.1	11.9	12.1	11.6	11.7	11.7	11.1	11.3	11.2	11.1	10.66
	17	11.1	12.6	12.5	11.6	11.6	11.3	11.3	11.1	11.1	11.2	11.1	11.0	11.03
	18	11.5	11.6	11.5	11.1	11.2	11.2	11.0	11.0	10.9	10.5	10.5	10.7	10.80
	19	10.4	11.3	11.7	11.7	11.6	11.3	11.1	11.0	11.0	10.8	11.1	11.1	10.71
	20	10.3	11.6	12.8	12.9	11.6	11.1	11.0	11.2	11.0	11.0	11.1	11.0	10.73
	21	10.5	11.1	12.1	12.5	12.3	11.3	11.3	11.3	10.1	10.5	10.9	10.3	11.00
	22	10.9	11.2	11.6	11.7	11.6	11.0	10.9	11.2	10.5	10.9	10.5	10.5	10.64
	23	9.9	11.0	11.8	12.4	12.1	11.6	11.5	11.5	11.3	10.5	10.9	10.5	10.59
	24	12.0	12.3	12.3	11.8	11.8	11.5	11.3	11.2	11.0	10.9	11.0	10.5	10.98
	25	12.6	12.8	13.2	12.6	12.5	11.7	11.8	11.6	11.1	11.2	10.4	10.5	11.18
	26	11.5	12.5	12.6	12.3	11.6	11.3	11.2	11.1	11.1	11.0	11.0	11.2	10.94
	27	11.9	12.7	12.9	12.5	12.1	11.6	11.5	11.3	11.3	11.1	11.1	11.3	11.12
	28	11.6	12.4	12.7	12.3	11.7	11.3	11.2	11.2	11.0	10.5	10.7	10.7	10.93
	29	12.7	13.6	13.4	12.7	12.7	11.6	11.3	11.2	11.1	10.9	10.9	11.1	10.65
	30	12.6	12.6	12.4	11.5	11.1	11.2	11.2	11.2	11.1	11.0	11.0	11.0	10.84
Hourly Means.		10.86	11.80	12.38	12.24	12.04	11.57	11.39	11.35	11.14	11.06	11.04	11.01	10.96

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	312	312	316	319	327	329	341	353	366	375	375	372	—
	2	315	318	323	323	323	326	336	353	366	379	379	374	—
	3	303	302	306	310	322	321	336	350	360	365	370	360	—
	4	303	304	310	313	313	321	328	337	344	347	357	344	—
	5	313	315	317	317	314	323	328	341	352	365	369	369	—
	6	317	313	321	312	312	318	326	340	347	355	359	356	—
	7	308	305	324	312	313	316	326	340	346	357	351	345	—
	8	303	303	304	304	308	311	321	332	342	346	346	338	—
	9	310	312	313	312	312	313	319	331	337	351	353	353	—
	10	310	312	312	313	314	319	330	343	350	353	357	351	—
	11	313	308	314	323	335	326	325	336	337	346	348	329	—
	12	288	291	295	308	316	324	308	304	305	310	328	336	—
	13	286	289	293	291	293	298	312	318	332	345	344	334	—
	14	296	294	308	300	303	302	305	320	322	332	338	336	—
	15	299	303	303	308	309	312	312	318	329	333	322	319	—
	16	302	304	303	302	314	312	318	324	337	342	340	324	—
	17	307	308	313	317	318	321	327	333	343	339	336	337	—
	18	302	304	304	316	312	312	323	337	347	350	355	345	—
	19	310	312	312	309	308	314	324	337	350	365	362	363	—
	20	313	314	308	318	308	319	319	327	322	338	342	342	—
	21	309	310	309	318	310	303	309	325	333	336	337	348	—
	22	291	314	303	303	300	301	313	329	332	338	336	338	—
	23	304	305	305	308	311	314	321	334	341	338	345	344	—
	24	303	308	312	314	316	321	331	342	347	350	355	351	—
	25	312	313	316	316	313	309	318	331	334	336	340	345	—
	26	264	269	278	288	292	302	313	326	340	345	346	345	—
	27	308	310	314	313	317	321	328	342	355	365	367	369	—
	28	303	303	303	305	308	312	327	337	345	360	363	352	—
	29	314	307	308	312	309	312	318	336	348	353	364	352	—
	30	307	304	307	307	309	314	322	331	337	343	346	337	—
Hourly Means.		304.2	305.5	308.5	310.4	312.0	314.9	322.1	333.6	341.5	348.6	351.0	346.9	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	369	358	344	333	327	323	324	325	323	316	313	313	336.0
	2	367	354	341	326	325	327	330	334	323	316	317	303	336.6
	3	352	309	293	304	313	303	303	304	303	302	298	307	320.7
	4	336	328	310	303	301	308	308	306	303	309	309	312	318.9
	5	346	313	313	312	310	313	314	312	307	310	312	313	324.9
	6	347	336	320	318	316	317	317	315	314	312	309	303	325.0
	7	326	315	303	284	283	292	298	299	299	299	298	303	314.3
	8	333	324	312	309	307	309	311	310	308	308	307	307	316.8
	9	336	327	317	312	311	312	309	307	307	308	308	308	319.9
	10	342	331	317	316	313	314	314	313	312	313	313	314	324.0
	11	327	304	277	300	293	270	274	280	273	283	278	281	307.5
	12	322	293	264	268	257	247	231	251	259	271	288	283	289.5
	13	320	307	293	279	279	275	284	286	288	288	291	297	300.9
	14	313	303	297	296	296	295	292	288	286	283	289	294	303 7
	15	318	299	290	291	292	297	295	283	281	288	298	299	304.1
	16	323	317	316	304	283	284	295	298	317	298	307	316	311.7
	17	328	309	303	298	299	302	297	303	305	307	304	295	314.5
	18	316	312	303	309	310	301	305	309	304	310	303	304	316.4
	19	355	337	321	311	303	303	307	306	308	312	310	312	323.0
	20	337	327	308	288	300	302	302	300	295	296	301	303	313.7
	21	336	327	318	304	300	299	297	294	319	307	289	295	313.8
	22	329	316	310	310	307	307	308	302	309	306	303	302	312.8
	23	338	323	312	308	305	305	304	298	298	310	305	303	315.8
	24	341	329	317	313	309	311	310	312	308	309	308	308	321.9
	25	341	335	321	317	308	297	276	256	254	245	261	260	306.4
	26	327	314	304	301	303	305	302	302	303	303	303	304	307.5
	27	338	323	313	308	312	308	307	309	304	298	297	300	321.9
	28	338	324	312	308	310	310	310	307	312	314	316	307	320.3
	29	332	313	299	287	267	289	295	297	295	299	299	303	312.8
	30	331	324	317	316	312	308	310	307	304	306	303	303	316.9
Hourly Means.		335.5	321.0	308.8	304.4	301.7	301.1	301.0	300.4	300.7	300.9	301.2	301.7	315.7

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	694	694	689	688	684	682	683	677	667	659	650	651	—
	2	694	692	689	688	687	682	687	697	682	662	652	641	—
	3	699	698	692	688	682	680	682	683	673	672	667	671	—
	4	699	698	693	691	689	685	687	692	693	694	684	689	—
	5	692	692	689	689	689	682	684	685	678	672	668	667	—
	6	688	691	687	691	689	687	688	678	671	662	650	656	—
	7	694	695	686	692	690	684	688	688	684	677	668	672	—
	8	695	695	695	695	693	688	688	677	675	672	671	673	—
	9	687	687	686	687	687	684	692	705	708	709	689	684	—
	10	693	693	693	692	689	687	687	687	681	677	677	668	—
	11	693	693	689	686	682	687	693	693	689	682	673	675	—
	12	689	687	684	681	677	674	684	693	694	694	682	670	—
	13	693	693	691	691	691	689	689	691	689	684	684	686	—
	14	695	696	688	692	693	689	695	699	695	681	671	668	—
	15	695	695	694	692	692	692	700	700	695	689	682	678	—
	16	688	686	688	684	678	679	684	689	684	681	673	673	—
	17	687	687	683	681	679	679	682	684	677	673	673	672	—
	18	692	689	687	681	683	681	679	679	682	680	673	680	—
	19	693	692	691	691	689	688	688	686	682	677	680	682	—
	20	698	698	699	694	695	689	694	710	705	697	689	683	—
	21	705	704	703	699	703	702	705	706	699	696	694	686	—
	22	710	697	702	700	700	695	693	684	674	665	657	657	—
	23	694	693	689	686	682	678	679	680	670	665	662	668	—
	24	694	691	688	687	684	682	683	657	649	639	639	638	—
	25	679	679	682	679	680	682	682	671	660	650	645	646	—
	26	699	698	693	689	686	684	688	683	673	667	668	666	—
	27	689	689	687	688	684	685	683	677	667	667	666	662	—
	28	695	697	694	694	693	692	695	691	688	674	665	662	—
	29	679	683	679	677	677	677	682	673	660	635	616	613	—
	30	676	677	673	674	673	674	684	689	684	670	662	660	—
Hourly Means.		692.6	692.0	689.4	688.2	686.7	684.6	687.6	686.8	680.9	673.8	667.7	666.6	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	653	662	672	688	695	699	698	698	698	699	699	699	682.4
	2	652	660	673	688	698	697	695	695	695	697	699	704	683.6
	3	660	673	680	684	688	698	700	700	702	703	704	699	686.6
	4	692	692	698	699	704	702	700	699	699	697	695	693	694.3
	5	674	685	684	688	693	694	693	694	696	693	693	691	686.0
	6	661	666	674	688	693	695	695	697	695	697	698	700	683.2
	7	684	688	693	698	708	708	704	704	703	702	701	697	692.0
	8	668	667	672	678	685	688	689	690	690	690	689	688	683.8
	9	687	678	677	686	694	698	700	700	700	698	697	695	691.9
	10	668	674	682	690	695	699	699	700	698	697	694	693	688.0
	11	678	688	700	694	698	707	706	704	704	699	700	694	692.0
	12	673	678	698	702	708	717	724	710	707	700	694	694	692.3
	13	688	683	689	700	704	708	705	704	704	704	700	697	694.0
	14	684	689	695	696	701	705	708	711	710	712	706	700	695.0
	15	671	673	679	684	690	693	694	702	705	699	693	689	690.7
	16	666	663	672	679	695	698	689	689	686	696	690	684	683.1
	17	671	681	693	695	694	693	696	694	693	693	693	695	685.3
	18	698	700	702	696	694	698	698	695	698	697	700	697	690.0
	19	684	691	693	699	700	703	701	702	700	700	700	699	692.1
	20	681	683	690	705	705	709	711	713	716	715	711	708	699.9
	21	692	697	700	706	715	719	715	716	705	710	716	710	704.3
	22	672	681	681	686	693	698	698	700	696	698	700	698	689.0
	23	671	675	682	687	693	698	699	701	702	699	698	695	685.3
	24	644	660	673	678	684	684	684	684	686	684	684	682	673.3
	25	653	666	678	684	694	702	711	721	719	720	706	703	683.0
	26	667	674	682	692	694	695	698	699	699	698	696	627	684.0
	27	673	681	689	700	701	703	703	703	705	705	705	699	688.0
	28	667	672	681	687	687	688	689	689	686	684	682	684	684.8
	29	623	644	662	679	695	686	684	685	685	682	681	678	668.1
	30	663	672	681	687	689	688	688	689	692	689	689	687	679.6
Hourly Means.		670.6	676.5	684.2	690.8	696.2	699.0	699.1	699.6	699.1	698.6	697.1	692.6	687.5

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30′0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	10.8	11.2	11.2	11.1	10.9	10.8	9.5	7.9	7.1	8.3	10.9	13.3	—
	2	11.2	11.1	11.1	11.1	10.9	10.9	10.4	8.9	8.1	9.1	9.9	10.9	—
	3	10.9	10.9	11.1	10.9	10.8	10.5	9.5	8.2	7.5	8.2	9.3	10.3	—
	4	11.1	11.2	11.1	11.2	11.2	10.9	10.1	8.8	8.0	8.1	8.7	10.3	—
	5	11.1	11.1	11.1	11.1	10.9	11.4	10.8	9.9	9.1	9.1	9.3	10.3	—
	6	11.3	10.9	10.9	11.2	11.1	11.4	11.3	10.0	9.2	9.6	10.1	10.4	—
	7	10.8	10.9	10.8	10.9	10.6	10.4	9.2	8.2	8.0	8.8	10.0	11.4	—
	8	11.1	11.1	10.8	10.9	10.6	10.9	9.9	8.9	8.9	9.2	9.2	10.1	—
	9	9.8	10.4	10.5	10.9	10.5	10.3	8.9	7.5	7.8	8.8	9.9	12.0	—
	10	10.4	10.5	10.5	10.5	10.5	9.9	8.7	8.1	8.1	8.8	10.0	11.5	—
	11	10.5	10.7	10.1	10.3	9.9	10.4	9.1	8.3	8.8	9.5	11.1	12.7	—
	12	10.8	11.2	11.5	11.4	11.2	10.8	9.5	8.1	8.1	8.7	9.9	11.5	—
	13	10.3	10.4	10.5	10.8	10.6	10.4	9.2	8.8	8.9	10.1	11.5	12.9	—
	14	10.8	10.8	10.8	11.1	11.1	10.4	8.4	7.5	7.0	8.2	10.3	11.4	—
	15	10.4	10.8	10.8	10.5	10.4	10.0	8.2	7.2	7.0	7.1	9.0	10.8	—
	16	11.2	10.7	10.6	10.5	10.5	9.3	8.8	8.0	7.8	8.2	9.8	11.5	—
	17	10.6	10.7	10.7	11.1	10.8	10.4	9.5	9.1	8.9	9.0	9.8	10.9	—
	18	10.9	10.9	10.6	10.9	10.5	10.8	10.0	7.5	8.1	8.9	9.5	11.3	—
	19	10.5	10.5	11.1	11.2	10.6	10.4	9.2	8.2	7.6	8.1	9.7	11.3	—
	20	10.3	9.8	10.5	10.8	10.5	10.3	9.1	8.1	8.3	8.9	9.8	11.6	—
	21	10.5	11.1	10.8	10.9	10.6	10.5	9.3	8.7	8.5	9.0	10.3	12.2	—
	22	10.7	11.1	11.1	11.1	10.8	10.3	9.2	8.3	8.3	8.8	9.7	11.3	—
	23	10.5	10.6	10.5	10.7	10.5	10.5	9.5	9.2	9.0	9.0	9.9	10.9	—
	24	10.5	10.8	10.8	10.8	10.8	10.6	9.5	8.1	8.1	8.8	9.8	11.4	—
	25	9.9	10.4	10.5	10.6	10.5	9.9	8.7	8.1	8.0	8.2	9.3	11.5	—
	26	10.5	10.7	10.8	10.9	10.5	10.4	9.3	8.2	7.6	7.4	8.7	11.6	—
	27	10.4	10.8	10.9	10.6	10.5	11.3	9.7	9.9	10.0	9.8	10.4	10.7	—
	28	10.8	11.1	11.5	11.5	11.3	11.4	10.4	9.2	9.0	8.3	9.2	10.4	—
	29	10.8	10.8	11.1	11.2	10.8	10.6	9.5	9.1	8.5	8.2	9.2	8.7	—
	30	10.7	11.1	10.5	10.8	10.5	10.4	9.8	8.8	8.3	9.0	9.7	11.6	—
	31	10.6	10.8	10.6	10.4	10.3	10.5	9.2	8.7	9.1	9.2	10.5	11.7	—
Hourly Means.		10.67	10.81	10.82	10.90	10.68	10.55	9.46	8.50	8.28	8.72	9.82	11.24	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	14.2	13.9	13.3	12.4	12.0	11.4	11.4	11.3	11.1	10.9	10.9	10.9	11.11
	2	12.0	12.4	12.1	11.4	10.8	10.9	11.1	10.9	10.9	10.9	10.9	10.9	10.78
	3	12.8	13.8	13.8	12.8	11.5	10.9	11.1	10.9	10.8	10.7	11.2	11.1	10.81
	4	11.6	12.3	12.5	11.9	11.5	11.2	11.1	11.1	11.1	10.9	11.1	10.9	10.75
	5	10.9	11.5	12.0	12.1	11.5	11.4	11.3	11.3	10.9	11.1	11.1	10.8	10.88
	6	10.5	10.9	11.3	11.3	11.5	11.1	11.1	11.2	11.1	11.1	10.8	10.8	10.84
	7	12.5	12.8	12.7	12.2	11.5	11.4	11.3	11.1	11.2	11.1	11.1	10.5	10.81
	8	11.1	12.2	12.3	12.0	12.0	11.5	11.5	11.9	10.9	11.3	9.7	10.4	10.77
	9	12.8	13.1	12.7	11.6	12.0	12.1	11.6	11.5	11.4	11.3	11.2	10.5	10.80
	10	12.8	13.1	12.4	13.1	12.5	12.1	11.9	11.3	10.9	10.9	10.8	10.8	10.84
	11	13.6	13.2	12.1	11.3	11.4	11.5	11.4	11.3	11.2	10.8	10.6	10.9	10.86
	12	12.1	12.7	11.6	11.3	11.3	11.5	11.1	11.2	11.1	10.6	10.5	10.5	10.76
	13	13.1	13.8	11.7	11.1	11.1	11.4	11.5	11.4	11.2	10.9	10.6	10.5	10.95
	14	12.1	12.2	11.6	11.5	11.3	11.3	11.4	11.2	11.3	11.1	10.9	10.5	10.59
	15	11.9	12.7	11.6	11.5	12.1	12.3	11.3	10.9	10.6	11.1	10.6	11.1	10.41
	16	12.5	12.7	12.2	11.5	11.3	11.3	10.8	11.3	10.8	10.8	10.4	10.6	10.55
	17	11.7	12.7	12.7	12.4	11.6	11.4	11.2	11.2	11.1	10.4	10.5	10.7	10.80
	18	13.7	14.7	14.6	13.8	14.6	12.2	11.6	11.3	10.8	9.9	10.0	10.5	11.15
	19	12.3	12.9	13.2	13.1	12.5	11.5	11.5	11.1	10.8	10.5	10.6	10.3	10.78
	20	12.9	13.1	13.1	12.5	11.9	11.3	10.9	11.1	11.1	10.5	10.5	10.5	10.73
	21	13.8	14.7	14.5	12.9	11.6	11.1	10.9	11.1	10.6	10.8	10.4	10.8	11.07
	22	12.5	12.8	12.9	12.2	11.6	11.1	11.3	11.1	10.5	10.5	10.5	10.4	10.75
	23	11.9	12.7	12.8	12.5	12.1	12.7	12.7	11.2	10.9	10.8	10.6	10.5	10.93
	24	12.5	13.6	13.9	13.2	12.8	12.2	11.5	11.3	10.9	10.5	10.5	9.8	10.95
	25	12.7	12.5	12.1	11.4	11.1	11.2	11.2	11.4	11.1	10.9	10.9	10.5	10.53
	26	13.7	13.1	12.2	10.5	10.4	10.8	11.1	11.3	10.5	10.4	10.5	10.4	10.48
	27	12.7	12.8	12.2	11.9	12.7	12.3	11.5	10.9	10.6	10.4	10.8	10.4	11.01
	28	11.6	12.0	12.0	11.7	11.7	11.3	11.1	10.9	10.8	10.6	10.5	10.4	10.78
	29	12.0	12.2	12.2	11.5	11.2	11.3	11.3	11.3	11.1	10.9	10.8	10.8	10.63
	30	12.7	12.9	12.7	12.2	11.6	11.4	11.3	11.2	10.8	10.6	10.8	10.5	10.83
	31	12.5	12.7	12.8	12.4	11.7	11.4	11.3	11.3	11.1	10.6	10.8	10.4	10.86
Hourly Means.		12.44	12.86	12.57	12.04	11.75	11.50	11.33	11.21	10.94	10.77	10.68	10.60	10.80

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0 36800 + THE NUMBERS IN THE TABLE

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	326	328	332	333	336	339	347	360	374	381	389	390	—
	2	345	349	352	352	347	346	349	352	365	358	369	366	—
	3	328	330	333	333	337	338	348	361	378	384	389	397	—
	4	334	333	334	333	336	335	346	359	379	385	399	391	—
	5	333	333	333	334	334	337	342	351	361	364	362	361	—
	6	325	333	336	336	338	327	342	327	320	318	311	310	—
	7	319	315	317	320	323	324	331	337	347	356	357	363	—
	8	321	322	324	328	328	323	326	336	346	351	361	367	—
	9	285	287	297	301	308	314	327	342	349	343	345	336	—
	10	313	315	319	323	324	327	336	347	361	372	380	377	—
	11	297	311	308	310	312	320	325	327	332	332	338	334	—
	12	322	316	313	317	319	318	332	333	347	356	352	345	—
	13	315	318	320	323	327	332	337	336	342	349	347	337	—
	14	309	306	307	312	314	315	327	342	358	357	352	349	—
	15	336	329	333	334	337	341	349	366	381	399	393	385	—
	16	314	323	324	323	327	332	332	343	355	368	363	351	—
	17	325	331	334	333	332	332	332	342	353	361	365	363	—
	18	327	330	347	338	347	340	347	372	351	351	356	367	—
	19	303	305	314	324	326	313	312	321	333	339	337	342	—
	20	308	328	316	313	319	324	324	329	338	339	345	347	—
	21	322	324	329	323	318	317	318	323	335	341	349	347	—
	22	323	322	319	325	327	324	329	338	351	358	364	365	—
	23	325	328	324	326	328	328	332	341	356	366	366	364	—
	24	328	330	332	330	329	327	332	341	354	366	368	365	—
	25	305	319	325	327	323	328	329	327	333	341	352	345	—
	26	327	324	326	326	325	324	327	333	346	356	364	368	—
	27	335	331	328	327	328	324	329	328	335	342	353	356	—
	28	312	313	330	322	323	326	335	346	347	354	356	357	—
	29	323	327	330	334	331	334	342	356	366	375	380	377	—
	30	325	333	331	332	334	335	337	343	355	361	368	373	—
	31	340	334	330	334	340	342	341	348	356	370	370	372	—
	Hourly Means.	321.0	323.5	325.7	326.6	328.3	328.6	334.3	342.2	351.7	357.8	361.3	360.2	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	382	375	367	356	347	345	344	342	345	349	351	346	353.5
	2	362	349	341	337	339	333	332	328	328	328	327	329	345.1
	3	383	371	358	342	324	332	334	333	345	332	325	333	348.7
	4	377	362	346	337	334	334	333	333	333	332	332	333	347.9
	5	351	335	340	342	327	333	336	332	333	334	329	324	340.0
	6	312	306	300	299	299	300	301	304	394	311	314	312	316.0
	7	358	346	336	330	323	322	320	320	321	320	323	319	331.4
	8	363	353	339	334	335	330	319	303	313	291	311	284	329.5
	9	317	293	291	284	281	287	293	300	298	298	304	308	307.8
	10	360	351	345	306	289	265	260	289	298	287	295	289	322.0
	11	319	303	312	309	314	312	313	319	313	306	332	313	317.1
	12	330	301	310	316	315	312	314	351	309	305	312	317	323.4
	13	330	322	319	318	315	308	306	304	294	310	306	313	322.0
	14	339	324	317	319	323	324	325	328	317	318	323	323	326.2
	15	366	348	346	328	303	286	308	315	315	299	332	315	339.3
	16	343	337	328	334	329	323	330	325	329	324	338	327	334.3
	17	363	350	340	332	325	324	324	322	325	333	333	327	337.5
	18	345	326	312	312	265	294	291	294	295	325	312	300	326.8
	19	344	334	319	291	282	294	289	304	310	318	303	308	315.2
	20	346	337	327	320	319	318	318	317	312	315	323	321	325.1
	21	348	334	324	324	323	322	320	320	323	318	328	322	327.2
	22	358	346	335	327	327	326	319	315	319	323	327	324	333.0
	23	363	351	340	329	323	322	320	322	314	316	320	325	334.5
	24	356	343	314	309	303	294	291	265	275	271	287	299	321.2
	25	343	341	337	342	342	337	334	331	330	326	324	325	331.9
	26	366	356	347	337	333	333	323	309	308	323	327	332	335.0
	27	358	357	343	327	301	281	275	299	308	310	308	308	324 6
	28	337	332	327	324	323	320	322	322	320	323	323	324	329.9
	29	365	355	347	338	333	330	328	328	330	326	326	321	341.8
	30	366	358	344	341	342	344	343	338	333	337	335	336	343.5
	31	366	356	341	333	332	327	328	327	323	332	327	332	341.7
	Hourly Means.	352.1	340.4	332.0	325.1	318.4	316.5	315.9	317.4	316.8	317.4	321.2	319.0	331.4

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	695	693	692	688	688	688	693	691	667	650	637	638	—
	2	693	691	687	688	692	696	701	709	701	698	686	680	—
	3	697	695	693	691	691	691	690	681	666	653	643	645	—
	4	690	690	688	688	687	688	688	682	670	665	653	644	—
	5	697	696	696	695	694	692	698	715	707	699	696	688	—
	6	715	712	709	708	704	714	715	728	729	719	709	698	—
	7	706	707	706	704	704	705	708	703	688	674	664	658	—
	8	699	699	698	697	697	698	707	704	693	689	680	676	—
	9	719	718	708	704	703	706	707	694	682	685	675	681	—
	10	698	699	697	696	695	698	699	699	688	679	668	668	—
	11	718	710	713	714	714	713	715	711	698	691	677	679	—
	12	708	710	710	709	710	714	714	710	701	688	679	680	—
	13	714	714	714	709	707	708	704	693	684	670	667	681	—
	14	698	698	694	694	693	696	697	687	674	670	670	675	—
	15	687	690	688	687	688	691	693	688	676	663	655	655	—
	16	700	694	694	694	693	697	700	687	675	663	651	654	—
	17	693	689	687	688	688	688	688	687	681	672	660	659	—
	18	698	696	687	692	686	691	696	687	691	688	680	670	—
	19	704	701	696	688	689	701	704	701	689	677	666	667	—
	20	708	698	698	701	698	698	701	702	693	688	676	671	—
	21	707	704	702	704	708	709	715	719	707	693	678	676	—
	22	704	707	707	703	702	703	704	698	691	683	674	667	—
	23	699	698	701	699	698	698	703	702	696	691	687	687	—
	24	703	703	701	703	703	707	708	696	683	669	659	655	—
	25	695	687	683	685	690	694	697	694	681	666	647	646	—
	26	697	698	696	697	698	701	708	709	707	665	673	660	—
	27	697	698	701	703	703	704	708	698	690	687	676	669	—
	28	699	698	690	694	696	698	707	707	697	691	683	678	—
	29	697	695	693	691	693	693	698	695	692	684	669	663	—
	30	705	700	701	701	698	702	703	697	687	677	670	666	—
	31	706	708	709	707	703	702	706	697	690	677	671	675	—
Hourly Means.		701.5	699.9	698.0	697.5	697.2	699.5	702.4	699.1	689.5	679.5	670.3	668.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	651	666	680	688	694	698	698	698	697	695	693	694	682.2
	2	677	690	697	698	703	703	703	704	703	702	701	698	695.9
	3	655	665	681	696	707	700	698	697	692	697	698	693	684.0
	4	653	663	680	692	694	698	698	698	698	698	698	696	683.3
	5	688	696	693	697	709	711	710	713	714	712	715	718	702.0
	6	697	697	699	703	708	712	714	713	714	709	709	708	710.1
	7	664	676	693	699	704	708	707	708	707	705	702	703	696.0
	8	672	681	693	699	703	709	715	721	714	723	715	723	700.2
	9	696	715	719	718	715	714	712	709	709	708	704	703	704.3
	10	680	694	704	728	739	746	746	729	723	726	723	722	706.0
	11	686	704	709	711	714	715	717	715	717	721	707	714	707.6
	12	687	700	710	713	715	718	723	723	724	715	715	713	707.9
	13	691	714	717	715	714	712	710	714	710	710	703	698	703.0
	14	683	694	700	697	698	696	697	697	702	701	696	694	691.7
	15	666	680	693	701	718	725	714	707	707	715	698	703	691.2
	16	661	671	681	686	692	695	694	697	694	697	692	694	685.7
	17	661	667	677	687	697	702	701	702	702	699	698	700	686.4
	18	677	683	694	701	726	713	714	715	712	702	707	709	696.5
	19	669	682	697	715	721	715	715	709	705	704	712	707	697.3
	20	677	683	690	699	704	710	711	712	713	710	707	707	698.1
	21	681	693	697	707	716	718	715	715	712	713	707	708	704.3
	22	669	677	690	702	704	706	708	710	708	703	701	701	696.8
	23	687	688	695	708	718	720	718	715	718	715	711	707	702.5
	24	667	686	706	714	715	719	719	730	723	719	707	701	699.8
	25	658	670	682	686	689	693	698	702	702	703	703	699	685.4
	26	672	694	705	709	707	708	714	719	719	708	704	702	698.8
	27	679	684	691	698	714	728	731	716	709	709	707	705	700.2
	28	686	690	691	693	697	704	704	704	704	703	702	698	696.4
	29	667	682	693	704	709	708	709	708	708	709	709	709	694.9
	30	674	688	704	713	713	709	710	713	715	714	713	709	699.3
	31	687	698	707	714	715	715	714	715	715	713	713	708	702.7
Hourly Means.		674.8	686.2	695.7	702.9	708.8	710.6	710.9	710.6	709.4	708.3	705.5	704.6	697.1

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30′.0 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	10.4	10.9	10.7	10.4	11.0	10.3	9.3	8.3	7.8	8.1	8 7	10.3	—
	2	9.9	9.9	10.1	10.7	10.4	10.5	9.4	8.9	8.6	8.1	9.0	10.3	—
	3	10.3	10.4	10.3	10.3	10.3	10 3	9.4	9.0	8.7	8.8	9.1	10.4	—
	4	10.4	10.4	10.4	10.4	10.4	10.7	10.3	9.3	9.0	8.8	9.1	10.4	—
	5	10.7	10.9	10.7	11.0	11.0	11.7	11.0	10.1	9.6	9.5	10.4	11.4	—
	6	10.4	10.4	10.4	10.3	10.3	10.2	10.1	9.7	9.1	8.9	9.0	10.4	—
	7	10.1	10.1	10.1	10.1	9.9	9.3	9.3	9.1	9.3	9.8	10.5	12.0	—
	8	9.9	10.1	9.6	9.4	9.1	8.6	9.0	10.1	10.3	12.1	13.1	14.4	—
	9	10.3	10.3	10.9	10.5	9.8	8.8	9.0	8.6	9.6	10.2	10.9	12.0	—
	10	10.3	10.1	9.9	9.7	9.8	8.8	8.9	8.7	8.8	9.4	10.9	12.6	—
	11	10.3	10.4	10.4	10.3	10.1	9.8	9.3	9.1	8.7	9.1	10.7	12.3	—
	12	10.2	10.2	10.1	9.8	9.7	9.1	8.1	8.1	9.0	10.3	11.8	13.1	—
	13	10.3	10.3	10.3	10.3	10.2	10.1	9.0	7.9	7.9	8.6	9.8	12.0	—
	14	9.3	9.7	9.6	9.6	9.1	7.3	7.4	8.0	9.1	10.9	12.1	13 8	—
	15	10.2	10.2	10.2	10.3	9.8	8.9	7.9	7.5	7.9	9.3	11.2	12.8	—
	16	10.3	10.5	10.7	10.3	10.1	9.3	8.1	7.9	7 5	8 8	11.5	13.8	—
	17	10.4	10.4	10.4	10 3	9.9	9.4	8.1	7.5*	7.1*	7.9*	9.4*	11.2*	—
	18	10.0*	10.0*	10.0*	9.7*	9.3*	8.9*	7.7*	7.5*	7.6*	7.4*	8.8*	10.4*	—
	19	9.8*	9.7*	9.5*	9.4*	9.4*	8.8*	7.9*	8.1	9.0	9.8	10.9	12.3	—
	20	10.1	10.2	10.1	10.1	9.7	8.8	8.0	7.9	7.9	8.6	9.1	10.2	—
	21	10.2	10.2	9.9	9.9	9.7	8.9	8.2	7.9	8.1	8.9	9.4	11.1	—
	22	9.9	10.1	9.9	9.8	9.7	9.3	8.7	8.0	8.1	9.3	10.9	12.2	—
	23	9.8	10.1	9 9	9.7	9.3	9.3	8.3	7.0	7.3	8.5	9.6	11.2	—
	24	10.2	10 2	9.9	9.7	10.1	11.1	9.1	9.0	9.0	9.3	10.3	11.2	—
	25	10.3	10.3	10.2	10.1	10.1	8.8	8 1	8.5	9.6	10.9	11.5	12.1	—
	26	10.4	10.4	10.4	10.4	10.2	10.1	8.8	8.1	8.1	8.9	9.8	10.9	—
	27	10.2	11.0	10.7	10.5	10.3	10.1	8.9	8.1	7.9	8.9	9.7	11.0	—
	28	10.4	10.2	10.1	10.2	9.7	8.6	8.7	8.8	8.9	10.1	11.1	12 2	—
	29	10.2	10.3	10.2	10.1	9.7	9.1	8.0	7.5	7.8	8.5	9.6	11.0	—
	30	10.2	10.2	10.2	9.8	9.4	8.9	7.3	7.1	8.0	9.0	10.7	11.9	—
Hourly Means.		10.18	10.27	10.19	10.10	9.92	9.46	8.71	8.38	8.51	9.22	10.29	11.70	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	12.2	12.8	12.6	11.4	11.3	11.1	10.9	11.0	10.5	10.3	10.3	10.1	10.45
	2	11.3	11.9	11.5	11.3	11.1	11.0	10.9	10.9	10.5	10.9	10.4	10.4	10.33
	3	11.5	12.1	12.4	11.9	11.4	11.0	11.2	11.0	10.9	10.7	10.4	10.3	10.50
	4	11.5	12.2	12.4	12.1	11.7	11.1	11.1	11.0	10.9	10.7	10.7	10.5	10.65
	5	12.0	12.3	12.3	11.5	11.3	11.0	10.9	10.9	10.7	10.5	10.5	10.4	10.93
	6	12.6	13.5	13.0	12.3	11.4	11.2	11.0	10.9	11.0	10.7	10.4	10.2	10.73
	7	12.4	12.6	12.7	12.1	11.3	11.0	11.0	11.1	11.1	10.9	10.7	10.2	10.70
	8	15.4	14.7	14 4	12.7	12.7	10.5	11.1	10.3	10 4	10.9	10.5	10.3	11.23
	9	12.7	12.3	12.0	11.0	10.9	10.7	11.1	10.9	10.2	10.4	10.4	10.2	10.57
	10	13.7	13.0	12 2	11.2	10.7	10.9	10.7	10.6	10.4	10.3	10.4	10.6	10.53
	11	13.2	13.6	13.2	12.6	11.5	11.3	10.9	10.2	10.3	10.3	10.3	10.3	10.76
	12	13.1	12.7	12.6	11.9	11.4	11.3	11.0	10.9	10.7	10.6	10.5	10.4	10.69
	13	13 2	13.5	13.1	11.4	11.2	11.3	11.0	11.1	10.9	10.4	10.3	9.6	10.57
	14	14.4	14.2	13 7	12.6	11.5	11.2	10.9	10.7	10.4	10.4	10.4	9.9	10.68
	15	14.2	14.6	13.6	12.3	11.5	10.7	10.7	9.8	9.6	10.2	10.4	10.1	10.58
	16	15 3	14 5	13.2	12.2	10.9	10.7	10.7	10.3	9.7	10.3	10.4	10.3	10.72
	17	12.2*	12.8*	12.9*	12.7*	12.0*	11.4*	10.8*	10.6*	10.4*	10.2*	10.0*	10.0*	10.33
	18	11.5*	11.5*	11.5*	11.7*	10.7*	10.0*	10.0*	9.7*	9.4*	9.1*	9.6*	9.4*	9.64
	19	13.2	13.0	12.4	11.4	11.1	10.4	10.3	10.3	10.3	10.3	10 2	10.3	10.33
	20	10.4	11.3	11.5	11.4	11.3	10.7	10.7	10.4	10.4	10.3	10.3	10.2	9.98
	21	12.0	12.6	13.0	12.1	11.5	11.2	10.7	10.7	10.4	10.3	9.8	9.7	10.27
	22	13.1	13.1	12.6	12.2	11.4	10.9	10.5	10.6	10.4	9.9	10 1	9.3	10.42
	23	12.2	12.7	12.4	11.5	11.3	10.4	10.3	10 4	10.4	10.3	10.4	10.2	10.10
	24	11.3	11.3	11.0	10.4	10.4	10.3	10.3	10.4	10.4	10.4	10.4	10.3	10.25
	25	12.1	11.8	11 5	11.2	11.1	10.5	10.4	10.4	10.4	10.3	10.3	10.2	10.45
	26	11.5	12.0	12.0	11.9	11.5	10.7	10.7	10.7	10.2	10.3	10.3	10.1	10.35
	27	11.3	11.3	11.2	11.0	11.0	10.7	10.3	10.5	10.3	10.3	10.4	10.3	10.25
	28	12.6	12.4	12.1	11.5	11.1	10.7	10.7	10.9	10.4	10.4	10.3	10.1	10.51
	29	12.0	12.1	11.9	11.7	11.5	10.9	10.7	10.7	10.4	10.3	10.3	10.3	10.20
	30	12.0	11.7	11.5	11.1	10.4	10.7	10.6	10.7	10.4	10.4	10.3	10.4	10.12
Hourly Means.		12.54	12.67	12.41	11.74	11.27	10.85	10.74	10.62	10.41	10.38	10.32	10.16	10.46

* From Wild's Magnetometer.

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0 36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	362	360	357	356	356	364	363	367	380	389	377	381	—
	2	349	350	344	344	354	356	361	361	371	384	364	355	—
	3	342	344	343	343	345	347	355	363	371	377	380	378	—
	4	348	349	352	352	353	356	362	371	377	382	382	380	—
	5	361	358	362	356	352	362	3 5	355	361	364	368	364	—
	6	352	354	354	355	356	357	358	362	371	379	382	385	—
	7	369	375	362	362	358	366	376	377	386	389	386	382	—
	8	365	352	356	347	367	366	358	342	346	335	326	324	—
	9	324	328	332	332	328	331	333	348	356	361	366	363	—
	10	337	336	335	345	340	343	347	364	364	360	367	368	—
	11	346	344	342	343	343	344	352	357	366	371	373	374	—
	12	348	349	349	350	350	354	357	368	371	380	380	373	—
	13	356	358	356	357	358	361	366	373	383	385	406	409	—
	14	349	352	351	359	356	364	356	358	368	371	376	366	—
	15	357	346	345	362	357	354	356	364	372	376	376	377	—
	16	344	346	347	354	354	349	352	362	378	392	386	380	—
	17	349	352	352	352	356	358	366	373	386	386	383	379	—
	18	358	353	361	362	354	371	371	374	380	383	386	394	—
	19	360	357	356	359	356	356	364	366	372	383	387	383	—
	20	356	357	356	356	358	363	371	376	385	385	384	383	—
	21	362	362	362	365	363	370	376	382	391	391	404	390	—
	22	352	355	352	354	356	359	363	372	386	394	388	386	—
	23	361	362	366	366	370	372	373	386	395	400	399	389	—
	24	357	362	364	372	354	367	376	381	386	388	388	388	—
	25	351	349	350	352	354	357	362	377	386	396	400	395	—
	26	354	361	358	349	351	353	361	372	387	389	390	394	—
	27	343	346	351	343	342	344	348	355	364	366	365	357	—
	28	345	346	349	352	351	349	355	365	381	382	389	383	—
	29	351	344	342	342	346	346	356	370	381	390	396	389	—
	30	347	349	346	347	356	358	372	383	389	386	380	371	—
Hourly Means.		351.8	351.9	351.7	352.9	353.1	356.6	360.7	367.5	376 3	380.5	381.1	378.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	374	359	338	347	340	344	340	344	347	344	343	346	357.4
	2	344	330	334	333	327	328	328	331	333	333	336	338	345.3
	3	376	368	360	354	347	347	347	347	346	346	346	348	355.0
	4	376	367	361	356	355	358	361	362	354	361	361	363	362.5
	5	359	352	348	349	349	346	352	348	349	349	350	352	355.0
	6	378	373	371	372	376	372	373	368	366	365	366	367	367.2
	7	378	379	371	364	366	367	362	357	352	349	352	358	368.5
	8	309	275	260	259	278	275	294	280	313	300	318	322	319.5
	9	355	346	341	343	342	342	332	324	330	311	317	333	338.3
	10	361	349	339	333	330	329	333	330	339	343	338	334	344.3
	11	371	361	353	346	343	341	337	350	344	347	347	348	351.8
	12	365	358	352	349	346	347	345	342	339	344	350	354	355.0
	13	394	381	349	344	353	349	354	338	323	335	333	361	361.8
	14	356	353	352	348	349	346	352	351	347	350	349	352	355.5
	15	369	360	350	346	347	328	326	349	357	344	341	360	355.0
	16	371	361	354	344	338	344	352	346	363	352	349	350	357.0
	17	370	359	350	344	338	338	346	351	349	348	347	347	357.5
	18	381	373	366	350	347	346	354	353	349	357	351	361	364 0
	19	371	368	366	361	355	352	354	353	354	3 8	357	357	362.7
	20	378	373	372	368	366	361	359	357	356	357	355	367	366.6
	21	400	380	357	345	345	344	344	347	349	353	356	358	366.5
	22	375	369	364	361	358	354	356	357	358	362	351	368	364.6
	23	376	366	361	359	353	356	356	353	355	356	353	357	368.3
	24	378	373	367	363	359	356	351	343	347	347	347	348	365.1
	25	380	372	363	356	356	356	354	353	355	353	354	356	364.0
	26	382	371	359	354	353	351	333	333	332	346	343	343	359.1
	27	354	348	346	347	340	341	344	344	343	334	342	340	347.8
	28	379	371	357	347	346	344	343	343	344	343	346	347	356.5
	29	376	366	357	351	347	347	346	344	346	346	335	346	356.7
	30	357	348	340	335	333	340	342	342	338	335	333	329	352.3
Hourly Means.		369.8	360.3	351.9	347.6	346.1	345.0	345.7	344.7	345.9	345.6	345.5	350.3	356.7

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	704	704	704	705	703	702	703	694	682	670	673	665	—
	2	714	714	716	715	708	707	713	712	703	699	703	698	—
	3	712	712	710	710	709	708	710	714	709	704	695	688	—
	4	714	714	712	711	710	709	713	710	704	698	688	683	—
	5	712	715	713	713	714	708	716	717	710	704	693	682	—
	6	709	708	708	708	707	707	709	698	691	684	673	663	—
	7	693	690	693	696	696	692	687	681	675	669	665	670	—
	8	688	696	694	698	685	687	693	698	687	675	669	667	—
	9	691	692	691	693	697	701	694	686	677	676	669	663	—
	10	693	696	698	692	697	698	698	695	688	682	666	661	—
	11	696	696	698	697	697	698	698	697	687	672	661	661	—
	12	686	686	683	683	683	683	681	670	661	651	645	648	—
	13	683	681	682	680	680	682	682	677	667	666	645	645	—
	14	688	687	687	681	682	684	681	670	658	653	649	655	—
	15	686	688	688	689	682	688	687	682	666	656	644	644	—
	16	693	693	692	688	687	693	693	692	678	655	639	639	—
	17	695	693	693	693	691	693	697	693	687	675	663	662	—
	18	683	686	681	680	685	677	680	674	670	661	648	646	—
	19	676	676	677	681	677	676	667	658	647	634	630	631	—
	20	673	672	674	674	672	676	672	668	660	655	654	650	—
	21	667	667	667	666	668	669	660	649	639	640	627	634	—
	22	675	675	674	672	670	671	672	665	652	646	640	645	—
	23	676	674	672	672	671	671	677	687	675	661	654	655	—
	24	698	694	693	688	694	688	687	682	681	680	676	679	—
	25	704	703	703	700	698	702	693	677	670	669	670	677	—
	26	710	708	707	712	710	710	714	721	719	717	714	707	—
	27	724	724	719	725	725	726	731	729	717	707	703	701	—
	28	726	728	725	725	726	731	723	710	701	696	688	694	—
	29	732	735	733	730	731	735	731	725	716	707	703	712	—
	30	737	736	737	737	734	737	733	724	720	719	719	725	—
Hourly Means.		697.9	698.1	697.5	697.1	696.3	697.0	696.5	691.8	683.2	676.0	668.9	668.3	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	674	691	708	709	713	712	715	714	715	717	717	715	700.4
	2	698	712	714	717	721	720	721	721	719	719	716	715	712.3
	3	686	693	703	714	718	718	718	718	718	718	717	715	709.0
	4	688	698	709	718	721	721	717	716	719	715	715	713	709.0
	5	688	694	700	711	715	716	715	714	713	712	710	709	708.1
	6	656	661	672	680	686	693	694	696	698	698	697	694	691.3
	7	674	679	688	697	695	693	694	696	698	698	696	693	687.8
	8	669	692	715	717	709	718	704	717	697	704	692	693	694.3
	9	670	683	694	698	701	701	707	710	709	715	709	698	692.7
	10	677	694	702	708	711	708	707	707	703	701	701	703	695.3
	11	671	685	696	702	704	703	703	696	694	692	688	688	690.8
	12	666	676	688	693	693	693	694	695	696	693	687	686	680.0
	13	665	677	698	702	693	693	693	701	709	698	697	682	682.4
	14	661	674	686	694	695	695	692	692	691	692	693	690	680.4
	15	653	672	687	697	704	710	708	697	694	698	698	687	683.5
	16	658	678	695	701	704	699	694	698	691	698	698	697	685.5
	17	667	678	688	697	701	700	694	691	693	692	690	691	688.2
	18	661	675	678	683	687	685	682	682	684	682	683	676	676.2
	19	645	655	671	672	680	682	678	676	676	674	674	674	666.1
	20	649	659	663	669	676	681	679	679	676	674	675	666	668.6
	21	634	649	671	679	682	685	683	680	679	677	675	672	663.3
	22	649	653	658	669	682	687	684	683	683	681	687	674	668.6
	23	662	679	690	698	710	712	708	709	707	704	704	698	684.4
	24	687	694	702	704	709	710	711	716	714	711	710	707	696.5
	25	693	703	712	714	714	714	714	714	714	715	714	710	699.9
	26	712	715	715	715	723	725	735	736	736	725	725	724	718.1
	27	707	714	718	721	730	731	731	733	735	739	732	731	723.0
	28	709	718	728	736	738	739	738	738	737	738	736	734	723.4
	29	724	728	731	731	737	741	742	742	741	740	744	740	730.5
	30	735	737	739	742	740	735	735	734	736	739	740	739	733.7
Hourly Means.		676.3	687.2	697.3	702.9	706.4	707.3	706.3	706.7	705.8	705.3	704.0	700.5	694.8

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30′ 0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	10.3	10.3	10.2	10.1	10.2	9.3	8.5	7.9	7.9	8.9	9.9	10.8	—
	2	10.2	10.1	10.2	10.2	9.7	8.5	7.4	6.8	7.9	7.9	10.0	10.8	—
	3	10.3	10.2	10.1	9.7	9.2	8.9	7.8	7.9	9.0	10.0	10.3	11.2	—
	4	9.9	10.0	9.8	9.5	9.2	8.9	8.1	7.9	8.5	9.1	10.3	11.4	—
	5	10.1	10.0	9.9	9.5	9.1	8.1	7.8	8.1	9.0	9.7	10.5	11.6	—
	6	9.8	9.9	9.5	9.0	8.5	8.1	7.9	7.6	8.5	9.7	10.3	11.2	—
	7	10.0	9.9	9.2	9.2	9.0	8.1	7.8	7.5	7.9	8.7	9.5	10.2	—
	8	9.7	9.5	9.1	9.5	9.1	9.7	9.0	8.3	8.2	9.1	9.7	10.2	—
	9	9.5	9.7	9.7	9.8	9.4	8.5	8.1	9.0	9.7	10.8	11.4	11.9	—
	10	9.7	9.5	9.3	9.2	9.1	8.3	8.1	7.8	9.2	11.0	10.2	10.8	—
	11	10.0	10.0	10.1	10.0	9.7	9.1	8.2	8.5	9.8	10.8	11.4	12.3	—
	12	9.7	9.7	9.5	9.5	9.2	8.1	7.4	7.6	8.5	9.5	10.9	11.4	—
	13	10.1	10.1	10.1	10.0	9.8	8.9	8.7	8.1	9.0	10.1	11.5	13.3	—
	14	10.1	10.0	9.7	9.8	9.5	8.9	7.7	6.8	7.4	8.6	10.1	11.5	—
	15	10.0	10.0	9.5	9.5	9.1	8.6	7.7	7.6	8.4	9.9	10.8	11.1	—
	16	9.8	9.9	9.5	9.5	9.1	9.0	8.1	7.7	8.1	8.6	9.1	10.1	—
	17	9.9	10.0	10.0	9.8	9.7	9.5	8.7	7.8	6.9	6.8	7.7	9.2	—
	18	9.8	9.8	10.0	9.7	10.0	10.0	9.0	7.7	6.9	6.8	7.9	9.5	—
	19	10.1	10.1	10.0	9.8	9.7	9.0	8.6	8.1	8.4	8.7	8.6	9.3	—
	20	9.8	9.9	9.5	9.2	9.0	8.1	7.8	8.6	10.1	10.9	11.1	11.1	—
	21	10.2	10.1	10.0	9.3	9.1	8.2	7.9	7.9	8.1	9.1	9.2	9.9	—
	22	9.9	9.9	9.2	9.2	9.1	8.1	7.6	8.1	9.1	9.8	9.2	9.8	—
	23	9.7	9.1	9.2	9.2	9.0	8.2	7.4	7.8	8.7	10.1	10.7	11.1	—
	24	10.1	10.0	10.2	9.5	9.1	8.1	6.7	7.2	8.1	9.1	10.3	10.8	—
	25	10.0	10.1	10.0	10.0	9.2	8.5	7.4	6.8	7.7	8.7	10.0	10.8	—
	26	9.8	10.1	9.9	9.5	9.1	7.7	6.6	6.8	7.5	9.1	10.9	11.6	—
	27	10.2	10.0	9.9	9.7	9.2	8.5	6.9	6.7	7.4	8.4	9.1	10.0	—
	28	9.9	10.0	9.9	9.8	9.1	7.9	6.6	6.8	7.8	7.9	9.9	11.2	—
	29	9.5	9.1	9.2	8.9	9.0	8.1	7.5	6.8	8.1	9.0	9.8	9.9	—
	30	9.4	9.1	9.1	9.1	9.0	8.1	6.9	6.8	7.2	8.6	8.7	7.9	—
	31	9.2	9.0	9.1	8.9	8.6	8.1	7.7	7.0	7.9	8.5	8.7	8.9	—
Hourly Means.		9.89	9.84	9.70	9.54	9.25	8.55	7.77	7.61	8.29	9.16	9.93	10.67	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	11.4	11.5	11.5	11.2	11.1	10.8	9.9	10.2	10.7	10.5	10.3	10.2	10.15
	2	11.4	11.9	11.8	11.5	11.1	10.8	10.9	10.5	10.7	10.3	10.3	10.6	10.06
	3	11.2	11.0	11.1	10.9	10.3	10.2	10.7	10.2	10.3	10.3	10.2	9.9	10.04
	4	11.6	11.9	11.8	11.5	11.1	10.8	10.7	10.8	10.3	10.2	10.2	10.2	10.15
	5	11.7	11.4	10.7	10.2	10.3	10.2	10.3	10.2	10.2	10.1	10.1	10.0	9.95
	6	12.4	11.9	11.5	11.2	11.0	10.5	10.5	10.5	10.3	10.2	10.2	10.0	10.01
	7	10.8	11.2	11.6	11.2	11.0	10.3	10.5	10.3	10.2	10.2	10.2	9.8	9.76
	8	10.2	10.8	11.2	11.2	11.2	10.8	10.3	10.3	10.2	9.9	10.1	9.8	9.88
	9	12.7	12.6	12.4	11.9	11.5	11.2	10.8	10.7	10.3	10.0	9.9	9.7	10.47
	10	11.0	11.1	11.1	11.0	11.1	10.8	10.3	11.5	10.2	10.2	10.2	10.0	10.03
	11	12.4	11.5	11.5	11.4	11.2	11.0	10.3	10.7	10.3	10.2	10.3	9.7	10.43
	12	11.1	11.1	10.8	10.8	10.3	10.8	10.7	10.6	10.3	10.2	10.2	10.1	9.92
	13	13.6	13.5	13.5	12.5	11.4	10.7	10.2	10.1	10.2	10.2	10.2	10.1	10.66
	14	11.9	11.9	12.3	11.2	10.9	10.8	10.3	10.3	10.5	10.3	10.3	10.0	10.03
	15	12.0	12.6	13.2	12.7	11.5	10.7	10.9	10.8	10.3	10.2	10.1	9.8	10.29
	16	11.4	12.4	12.4	11.8	11.0	10.8	10.3	10.9	10.6	10.3	10.2	9.9	10.02
	17	11.2	11.5	11.8	11.5	11.1	10.7	10.3	10.3	10.3	10.0	10.1	10.0	9.78
	18	10.1	10.3	11.2	11.4	11.1	10.5	10.3	10.2	10.3	10.2	10.2	10.1	9.71
	19	10.7	10.9	11.4	11.1	11.1	11.1	10.8	10.7	10.7	10.3	10.2	9.9	9.97
	20	11.1	11.2	11.5	11.1	10.8	10.7	10.6	10.3	10.5	10.2	10.3	10.2	10.15
	21	9.8	10.0	10.3	10.3	11.0	10.6	10.3	10.7	10.3	10.3	10.5	9.9	9.71
	22	10.1	10.1	10.2	10.1	10.3	10.5	10.6	10.3	10.2	10.2	10.3	9.5	9.64
	23	11.4	11.2	10.8	10.2	10.1	10.2	10.1	10.3	10.2	10.3	10.1	10.1	9.80
	24	11.2	10.8	10.7	10.7	10.3	10.1	10.1	10.2	10.2	10.1	10.2	9.9	9.74
	25	11.2	11.2	10.7	10.0	9.8	9.9	9.9	9.9	9.8	10.0	10.2	9.8	9.65
	26	11.6	11.4	11.4	11.1	11.8	10.2	10.2	10.2	10.2	10.1	10.1	10.1	9.88
	27	11.1	10.9	11.0	10.3	10.1	10.1	9.9	10.0	10.0	9.8	9.9	9.8	9.54
	28	11.8	12.7	12.6	12.2	11.2	10.1	10.1	10.2	10.2	10.0	10.1	9.8	9.91
	29	9.8	10.3	11.9	11.2	10.3	10.1	10.2	10.2	10.2	10.2	10.0	9.5	9.53
	30	9.9	10.9	11.2	11.4	11.2	10.5	10.3	10.2	10.0	10.0	9.9	9.5	9.37
	31	8.9	9.0	9.1	9.1	9.8	9.9	10.0	10.1	10.1	9.8	9.7	9.0	9.00
Hourly Means.		11.18	11.31	11.43	11.09	10.84	10.53	10.36	10.40	10.28	10.15	10.15	9.90	9.91

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	347	343	352	342	347	350	351	360	365	368	365	366	—
	2	340	351	342	342	347	347	358	370	384	387	385	382	—
	3	337	341	339	341	346	357	365	371	381	386	387	380	—
	4	345	339	339	347	341	343	351	359	366	374	375	368	—
	5	338	341	337	337	337	345	351	365	379	381	379	371	—
	6	336	319	327	339	336	339	342	355	356	356	361	358	—
	7	337	337	344	343	345	347	351	358	366	371	375	368	—
	8	334	335	335	333	337	339	342	351	356	357	357	353	—
	9	332	332	331	334	341	346	352	358	370	367	373	369	—
	10	338	341	341	344	344	346	352	354	357	355	358	353	—
	11	346	348	348	346	348	348	356	362	367	367	363	353	—
	12	342	346	346	348	348	350	358	366	371	380	375	379	—
	13	346	347	348	348	346	343	362	374	381	393	393	375	—
	14	339	336	346	342	343	347	354	361	366	370	370	370	—
	15	351	350	358	356	359	362	372	380	387	389	390	381	—
	16	342	342	346	348	351	357	365	370	376	386	394	393	—
	17	353	352	355	354	356	358	369	375	385	398	400	398	—
	18	345	343	346	346	351	351	351	355	363	369	376	378	—
	19	350	352	351	352	353	356	361	366	372	377	380	377	—
	20	357	362	361	364	365	370	374	388	394	398	399	392	—
	21	352	353	353	360	361	368	377	379	385	384	392	388	—
	22	352	356	359	358	360	365	366	371	379	384	390	384	—
	23	348	351	350	352	352	354	355	367	361	370	374	370	—
	24	351	352	357	356	351	356	360	360	374	381	386	385	—
	25	351	352	354	352	361	363	371	385	390	398	401	392	—
	26	361	351	345	347	350	359	363	371	376	373	375	372	—
	27	360	358	356	357	360	363	370	381	392	399	400	396	—
	28	364	366	363	360	365	368	375	384	393	406	397	390	—
	29	365	367	355	368	360	366	379	390	384	396	398	401	—
	30	358	365	361	357	360	366	370	376	380	388	396	388	—
	31	352	351	350	348	351	356	362	366	376	379	385	384	—
Hourly Means.		347.4	347.7	348.1	349.1	350.7	354.4	360.8	368.6	375.2	380.2	382.2	377.9	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	349	352	353	351	342	330	337	328	331	336	339	341	347.7
	2	365	356	353	347	340	341	337	341	338	338	337	333	352.5
	3	375	366	360	353	347	344	342	347	347	346	342	350	356.3
	4	361	358	347	341	336	337	332	330	331	332	339	337	347.0
	5	361	352	347	346	342	342	344	349	343	342	337	336	350.1
	6	351	343	338	337	337	336	337	331	337	337	335	337	340.8
	7	360	351	348	346	342	339	341	337	346	343	341	341	348.9
	8	351	346	336	336	337	342	342	343	336	333	328	327	341.1
	9	363	353	347	342	338	331	328	325	326	325	327	334	343.5
	10	346	337	335	339	341	341	342	341	341	339	341	344	344.6
	11	346	341	340	337	337	332	337	341	339	340	337	342	346.7
	12	371	361	356	356	355	349	349	351	348	346	346	347	356 0
	13	355	340	341	344	344	343	343	342	343	345	341	341	353.3
	14	356	348	344	345	346	348	353	353	352	351	350	351	351.7
	15	372	371	370	369	365	366	365	360	356	348	347	346	365.4
	16	385	377	370	366	363	358	356	350	354	356	356	358	363.3
	17	384	375	362	359	360	357	355	358	351	353	349	348	365.2
	18	378	360	350	349	351	351	346	349	349	349	349	352	354.5
	19	368	359	356	357	357	348	349	348	347	348	350	352	357.8
	20	381	375	374	374	370	370	365	366	346	347	353	352	370.7
	21	376	385	367	362	361	358	355	356	355	348	346	353	365.6
	22	374	369	364	357	359	360	351	350	350	357	356	343	363.1
	23	366	356	353	353	346	346	350	348	346	346	347	351	354.7
	24	370	361	350	350	348	349	350	352	349	351	349	350	358.3
	25	379	368	357	359	360	358	350	344	334	336	341	342	362.4
	26	361	352	346	350	357	358	354	356	356	355	356	357	358.4
	27	381	371	360	360	362	360	361	361	365	365	361	363	369 3
	28	381	382	375	373	362	360	370	361	366	366	369	366	373.4
	29	384	375	370	361	361	360	361	361	362	355	352	357	370.3
	30	384	374	367	362	360	356	352	353	336	332	341	348	363.8
	31	379	370	360	360	357	353	351	344	348	344	342	348	359 0
Hourly Means.		368.2	360.8	354.7	352.9	351.1	349.1	348.5	347.6	346.1	345.5	345.3	346.7	356.6

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	708	711	706	711	710	710	710	710	702	696	696	689	—
	2	718	713	717	717	715	721	715	701	695	694	697	701	—
	3	729	729	729	728	723	723	723	716	705	701	704	710	—
	4	725	728	726	722	723	723	719	715	705	700	692	691	—
	5	723	723	724	724	724	724	716	705	700	699	696	702	—
	6	726	733	729	722	723	718	717	701	699	705	701	696	—
	7	718	718	716	714	708	717	716	711	705	697	696	696	—
	8	721	722	718	718	716	713	718	716	715	713	716	717	—
	9	718	717	717	713	710	711	708	701	691	694	696	705	—
	10	709	704	702	700	698	700	701	701	707	710	708	707	—
	11	704	704	702	704	702	705	699	695	696	699	704	707	—
	12	710	708	707	706	707	712	707	702	697	691	691	695	—
	13	712	711	709	710	710	715	697	690	686	674	672	681	—
	14	711	711	705	706	706	707	708	713	703	697	691	690	—
	15	712	712	708	708	707	708	709	705	700	699	691	690	—
	16	710	707	701	700	697	696	691	675	670	669	664	667	—
	17	690	690	690	689	686	686	689	687	680	672	667	659	—
	18	692	691	686	686	681	683	689	691	680	669	654	655	—
	19	689	688	686	686	685	686	684	683	680	677	670	672	—
	20	692	690	690	690	690	691	684	663	658	658	665	677	—
	21	695	695	694	691	692	694	690	680	675	672	664	663	—
	22	680	678	677	677	678	681	675	663	653	654	654	662	—
	23	683	683	680	678	678	680	679	673	669	663	665	667	—
	24	673	673	670	673	675	679	675	668	658	654	656	655	—
	25	668	666	665	667	663	667	663	643	637	630	632	634	—
	26	655	659	664	661	661	666	659	652	641	631	626	631	—
	27	645	648	647	647	645	648	643	632	624	617	623	629	—
	28	642	642	645	647	645	651	643	635	626	613	616	620	—
	29	652	652	656	650	652	653	646	651	642	632	638	642	—
	30	673	670	670	670	669	670	670	664	654	647	648	648	—
	31	669	669	670	672	669	670	669	667	656	655	653	659	—
Hourly Means.		695.2	695.0	693.7	693.1	691.9	693.8	690.7	684.2	677.7	673.6	672.5	674.7	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	697	701	699	704	720	728	728	728	726	723	721	718	710.5
	2	712	721	723	724	728	728	731	730	731	733	732	732	717.9
	3	717	723	728	729	733	731	729	728	724	726	728	723	722.5
	4	696	702	708	718	726	729	729	729	729	728	724	723	717.1
	5	712	720	718	723	724	725	723	722	723	724	726	727	717.8
	6	699	710	715	718	722	722	721	723	721	719	719	717	715.7
	7	698	702	707	712	717	722	721	722	718	717	718	718	711.8
	8	715	716	718	718	721	721	721	721	722	724	723	721	718.5
	9	704	711	720	723	726	728	726	726	724	723	721	714	713.6
	10	709	713	716	708	708	708	710	710	711	711	710	705	706.9
	11	712	713	712	711	712	717	712	712	712	713	713	711	707.1
	12	696	702	707	707	708	711	712	712	713	715	713	712	705.9
	13	700	704	703	703	707	710	712	712	711	710	711	711	702.5
	14	702	712	712	710	711	711	712	711	712	713	713	712	707.5
	15	691	698	701	705	710	706	705	706	708	712	710	710	704.6
	16	675	674	675	680	691	694	693	696	692	693	691	690	687.1
	17	654	662	674	683	688	690	690	689	690	691	692	691	682.5
	18	664	675	675	679	680	689	689	688	688	688	689	688	681.2
	19	679	689	691	689	694	698	697	696	696	697	696	695	687.6
	20	683	686	683	681	691	694	694	694	703	701	696	696	685.4
	21	665	664	667	668	674	680	683	681	683	686	686	680	680.1
	22	667	670	668	669	672	675	680	681	680	675	679	684	672.2
	23	678	686	688	686	685	684	678	678	679	678	675	673	677.8
	24	659	662	667	664	669	669	669	668	669	669	670	669	667.2
	25	648	659	663	663	662	659	668	672	675	673	669	665	658.8
	26	637	647	647	645	647	652	652	652	652	652	652	648	649 5
	27	638	641	643	646	646	648	648	647	647	646	647	644	641.2
	28	616	621	635	641	652	656	650	652	649	652	652	651	639.7
	29	653	658	658	670	673	673	673	674	674	679	680	675	658.6
	30	648	652	653	659	665	670	674	675	683	684	679	672	665.3
	31	675	681	685	675	677	678	680	684	683	684	686	684	672.9
Hourly Means.		680.6	686.3	689.0	690.7	694.8	697.0	697.1	697.4	697.7	698.0	697.5	695.5	689.9

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	0	1	3	4	3	— 1	— 4	6	7	5	4	— 6	—
	2	1	— 1	— 2	— 1	— 5	— 5	— 3	3	2	3	10	12	—
	3	— 1	— 1	— 2	— 3	— 7	— 11	— 7	4	12	14	8	— 1	—
	4	— 3	— 11	— 9	— 15	— 13	— 4	1	2	10	11	12	14	—
	5	— 1	— 1	— 1	— 2	— 2	— 4	— 2	— 6	0	1	3	1	—
	6	0	1	0	1	0	— 1	— 2	— 4	0	0	2	2	—
	7	— 3	— 1	1	1	1	— 5	— 4	— 6	— 4	7	5	7	—
	8	3	2	3	5	6	7	5	5	— 1	— 9	— 18	— 14	—
	9	1	1	3	3	4	6	5	0	— 3	— 7	— 18	— 12	—
	10	— 2	0	1	2	6	15	19	10	— 1	— 11	— 21	— 18	—
	11	— 2	— 3	— 3	— 9	— 12	— 6	— 1	7	14	10	15	7	—
	12	— 1	0	1	— 1	0	4	4	1	— 9	— 9	— 2	— 1	—
	13	— 1	— 1	— 1	0	— 1	— 3	0	9	7	— 1	— 2	3	—
	14	— 2	0	— 3	3	2	3	1	— 1	— 7	— 11	— 9	1	—
	15	1	1	2	4	3	2	— 3	— 3	— 4	— 2	2	3	—
	16	— 1	0	3	6	7	8	6	— 2	— 3	— 10	— 15	— 6	—
	17	1	— 1	— 2	— 3	— 6	— 5	2	4	2	7	5	— 3	—
	18	0	— 2	0	2	5	— 3	1	— 2	4	3	0	— 8	—
	19	— 1	— 1	— 1	— 3	— 6	— 3	— 6	— 2	— 1	3	6	11	—
	20	3	2	2	4	1	— 3	— 8	2	4	3	1	— 2	—
	21	7	6	— 3	— 3	2	— 4	— 12	— 12	— 2	6	16	13	—
	22	1	3	2	— 5	— 6	— 8	— 8	— 2	1	2	— 1	— 1	—
	23	1	1	1	3	3	5	— 1	— 6	— 13	— 10	— 4	9	—
	24	4	6	6	7	10	6	4	0	— 5	— 7	— 10	— 10	—
	25	1	1	0	2	3	5	1	— 10	— 12	— 8	— 1	3	—
	26	3	3	4	3	0	— 2	— 3	1	— 1	2	— 2	— 4	—
	27	2	2	3	5	7	10	5	— 6	— 11	— 10	— 11	— 5	—
	28	— 4	— 3	— 2	— 3	— 4	3	5	2	7	7	2	2	—
	29	— 4	— 4	0	— 3	— 2	— 2	— 4	— 3	1	1	2	— 6	—
	30	— 2	— 4	— 4	— 3	— 1	— 3	2	4	— 1	— 2	2	0	—
	31	— 1	— 3	— 1	— 2	0	— 5	— 3	0	1	9	13	5	—
Hourly Amount.		58	67	69	111	128	152	132	125	150	191	222	190	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JANUARY.	1	— 18	— 20	— 18	— 9	— 4	1	5	7	7	7	6	7	153
	2	6	4	2	— 2	— 2	— 6	— 3	— 1	1	— 3	— 2	— 2	82
	3	— 5	— 4	— 4	5	4	3	4	7	8	7	9	— 4	135
	4	10	0	— 2	— 1	— 6	— 8	— 4	— 2	— 2	— 3	— 4	— 3	150
	5	1	— 1	0	1	0	3	3	0	— 1	0	0	— 2	36
	6	2	6	9	1	— 2	— 5	0	— 4	— 3	— 3	— 1	— 1	50
	7	5	2	2	0	— 7	— 4	1	— 4	— 3	— 2	— 1	1	77
	8	5	8	5	— 3	— 4	— 2	0	1	2	3	3	0	114
	9	— 5	0	4	4	2	3	1	1	— 1	2	— 1	— 3	90
	10	— 9	0	— 1	1	1	6	5	— 1	1	1	— 2	— 2	136
	11	— 1	8	7	— 1	— 3	— 7	— 3	— 1	— 3	— 3	— 4	— 2	132
	12	3	4	2	— 2	— 4	2	3	1	— 1	— 4	— 2	— 1	62
	13	— 1	5	8	5	1	1	— 1	— 2	0	1	0	— 1	55
	14	7	4	2	— 2	— 5	— 3	— 1	— 1	— 1	0	— 1	0	70
	15	6	7	12	0	— 2	— 7	— 4	— 1	— 2	1	— 2	— 1	75
	16	3	2	— 7	— 7	2	0	4	4	2	0	0	0	98
	17	— 8	— 5	8	8	8	3	— 1	— 1	— 1	— 2	— 1	1	88
	18	— 14	— 15	— 7	1	17	8	7	7	2	3	0	1	112
	19	6	— 1	— 9	— 3	3	— 1	— 2	— 2	— 1	0	0	2	74
	20	— 5	— 4	— 8	— 9	— 3	2	3	5	3	4	5	4	90
	21	10	7	1	— 6	— 5	— 3	— 4	— 2	— 1	3	— 4	— 2	134
	22	0	— 4	— 4	6	3	2	— 2	— 1	1	— 1	2	1	67
	23	8	5	3	0	— 7	— 6	— 5	— 3	— 5	— 3	1	5	108
	24	— 2	5	1	— 3	3	3	0	— 2	0	0	— 1	0	95
	25	4	6	3	1	— 5	— 3	— 2	— 2	— 1	0	0	1	75
	26	— 7	— 5	— 1	— 1	4	5	2	— 1	— 1	0	1	3	59
	27	— 1	0	0	5	3	4	1	— 2	— 3	— 4	— 4	— 5	109
	28	— 2	— 9	— 1	7	11	6	3	5	2	— 2	— 2	— 1	95
	29	— 6	— 5	0	2	6	5	— 3	— 1	1	1	1	1	64
	30	4	3	4	7	4	— 2	— 4	— 3	— 1	— 2	— 1	— 2	65
	31	— 2	— 2	— 6	— 6	— 4	— 1	0	1	2	2	3	3	75
Hourly Amount.		166	151	141	109	135	115	81	76	63	67	64	62	2825

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	1	1	— 2	1	— 3	— 3	— 2	— 1	9	14	9	3	—
	2	5	0	0	— 1	0	— 6	— 1	— 6	— 2	3	8	1	—
	3	— 6	— 3	— 5	2	6	3	12	11	6	16	12	— 13	—
	4	— 1	21	4	7	4	18	6	8	2	— 4	0	1	—
	5	0	1	5	4	4	3	4	1	3	7	4	— 2	—
	6	— 4	— 17	11	— 6	— 5	— 5	— 3	0	— 2	— 2	0	5	—
	7	— 1	— 1	0	— 10	— 5	0	1	0	2	— 1	— 1	— 3	—
	8	2	0	— 3	— 4	— 7	— 9	— 11	— 11	— 3	1	6	7	—
	9	0	0	3	— 1	0	— 1	0	— 1	0	2	0	— 9	—
	10	1	— 2	— 1	— 2	— 4	— 9	— 5	— 5	6	7	2	— 3	—
	11	— 4	1	0	8	19	20	24	21	3	0	— 26	— 17	—
	12	4	0	— 6	— 5	— 3	— 6	— 5	0	3	7	9	3	—
	13	— 2	0	— 1	— 3	— 2	— 6	— 5	— 2	1	7	6	2	—
	14	— 2	1	1	2	— 5	— 4	— 2	— 5	0	0	2	9	—
	15	— 1	0	— 3	— 2	— 6	— 8	— 9	— 7	2	— 1	0	1	—
	16	— 10	— 10	— 13	— 12	— 2	— 6	1	0	— 1	— 5	— 8	— 5	—
	17	— 3	2	— 1	0	— 1	— 4	— 7	— 8	— 3	4	9	10	—
	18	2	7	3	0	— 1	13	11	1	— 10	— 6	— 8	— 3	—
	19	9	9	7	8	10	6	5	8	9	2	— 7	— 2	—
	20	— 3	— 2	0	— 1	— 1	0	3	8	8	3	— 1	— 3	—
	21	— 9	— 11	— 6	11	0	8	0	— 4	— 7	— 6	— 3	0	—
	22	0	1	3	11	15	11	— 2	0	— 2	— 7	— 4	— 1	—
	23	14	3	— 3	0	— 5	— 3	-- 6	3	6	3	8	— 1	—
	24	— 4	— 4	0	3	0	3	3	1	— 2	— 2	4	— 5	—
	25	11	15	16	— 1	0	— 2	— 6	— 2	— 8	— 9	— 3	2	—
	26	2	— 3	— 5	— 7	— 1	1	0	1	4	— 1	0	7	—
	27	— 4	— 4	— 1	— 1	— 2	— 2	0	1	2	— 4	0	5	—
	28	3	0	2	2	— 2	— 4	— 8	— 15	— 20	— 17	— 7	1	—
	29	4	3	— 1	2	3	2	6	6	0	1	1	8	—
	30	2	3	— 1	1	— 1	0	— 1	— 3	— 4	— 5	— 6	— 9	—
	31	— 2	— 2	— 3	— 4	— 2	— 6	— 3	— 1	— 1	— 2	— 4	9	—
Hourly Amount.		116	127	110	122	119	172	152	141	131	149	158	150	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount
JANUARY.	1	— 1	— 8	— 4	— 4	— 1	1	1	— 2	0	2	2	1	76
	2	0	— 3	— 4	— 1	4	3	5	5	— 1	2	— 2	— 4	67
	3	— 4	— 9	— 10	— 10	— 15	— 19	— 18	— 4	2	0	6	0	192
	4	— 14	— 12	— 5	— 9	— 8	— 7	— 3	— 2	2	3	0	14	155
	5	— 6	— 5	— 6	— 7	1	4	1	11	7	8	— 4	— 5	103
	6	2	0	1	8	11	8	14	2	— 9	— 2	— 4	— 5	126
	7	— 2	— 1	— 4	— 8	— 3	0	5	2	2	2	0	2	56
	8	9	12	9	6	3	0	2	— 1	— 3	— 3	0	0	112
	9	— 7	— 1	— 4	— 2	4	8	3	2	2	1	0	— 1	52
	10	1	3	1	0	1	— 6	— 4	3	— 7	— 5	— 3	— 1	82
	11	— 2	— 20	— 17	— 3	0	— 4	3	6	2	2	2	6	210
	12	— 1	6	7	9	10	5	0	— 8	— 13	— 11	— 7	— 5	133
	13	1	3	4	4	3	— 2	2	3	10	1	— 3	— 5	78
	14	11	3	0	8	0	1	— 6	— 8	— 6	0	1	— 1	78
	15	10	20	3	7	7	5	8	8	9	3	1	— 13	134
	16	— 2	2	12	— 1	— 4	0	5	3	1	3	4	4	114
	17	6	— 2	0	2	4	0	— 2	— 2	— 2	3	5	3	83
	18	— 7	— 9	— 4	— 7	— 31	— 18	— 14	— 1	5	4	10	12	187
	19	— 7	— 5	1	— 2	— 5	0	4	— 2	— 4	— 3	— 1	— 4	120
	20	— 3	— 3	— 2	1	3	8	6	6	9	— 3	— 8	— 7	92
	21	3	— 1	1	— 5	— 7	— 2	— 3	— 4	3	8	8	— 6	116
	22	— 4	— 1	— 6	— 12	— 7	3	1	— 1	— 2	— 8	— 3	9	114
	23	— 3	6	5	— 1	— 1	— 5	5	2	5	13	— 3	— 8	112
	24	— 11	— 9	— 4	0	— 2	— 1	— 4	— 5	— 6	— 4	0	7	84
	25	3	6	7	7	6	1	— 5	— 6	— 2	— 4	— 2	2	126
	26	4	1	1	0	1	3	— 1	— 1	0	— 2	— 1	— 2	49
	27	6	11	3	— 4	1	2	2	5	5	2	4	3	74
	28	5	4	10	12	11	— 1	— 10	— 11	— 7	— 1	1	1	155
	29	3	— 1	— 8	— 1	3	0	1	2	3	— 3	— 3	4	69
	30	— 4	9	9	6	5	4	— 4	— 5	— 6	— 3	— 3	— 3	97
	31	10	5	6	6	5	5	5	0	0	— 1	— 3	— 2	87
Hourly Amount.		152	181	158	153	167	126	147	123	135	110	94	140	3333

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	— 2	— 2	— 1	— 2	1	4	2	— 11	— 11	— 9	— 5	2	—
	2	— 5	— 3	— 1	— 1	— 3	— 3	— 7	— 7	1	— 3	— 7	— 2	—
	3	0	— 3	— 2	— 7	— 7	— 4	— 16	— 24	— 24	— 12	7	16	—
	4	— 1	— 10	— 1	2	— 2	— 13	— 7	— 13	— 9	0	2	— 7	—
	5	— 1	— 2	— 5	— 4	— 3	2	1	1	— 11	— 8	— 9	— 3	—
	6	3	6	— 10	— 1	— 1	— 2	— 1	— 2	— 13	— 14	— 5	7	—
	7	— 4	— 4	— 2	— 1	— 1	0	— 1	— 2	— 5	— 7	— 2	6	—
	8	— 2	5	— 1	6	4	4	2	13	14	16	13	10	—
	9	4	5	4	3	3	— 3	2	11	2	0	3	— 6	—
	10	— 1	— 2	— 4	— 2	— 3	— 3	1	— 23	— 13	— 5	6	10	—
	11	— 6	— 7	— 6	— 7	— 10	— 11	— 10	12	14	8	— 1	3	—
	12	2	2	2	— 2	— 7	— 10	— 8	— 2	2	— 7	— 8	— 2	—
	13	— 1	— 1	0	2	3	5	— 6	— 18	— 6	4	8	7	—
	14	4	1	1	— 1	3	2	6	11	11	4	— 10	— 14	—
	15	— 3	— 1	1	1	5	7	6	— 5	0	— 2	7	2	—
	16	3	0	— 1	— 6	— 12	— 12	— 12	14	16	17	2	— 8	—
	17	2	0	3	4	7	9	15	2	3	— 8	— 4	4	—
	18	— 2	— 3	2	3	4	— 2	— 2	1	11	9	9	0	—
	19	1	0	0	— 2	— 3	0	— 3	— 8	— 16	— 10	3	2	—
	20	— 1	— 2	— 2	0	1	5	1	— 8	— 9	— 6	— 7	— 4	—
	21	5	3	3	— 5	0	— 2	9	9	8	0	— 5	0	—
	22	1	0	1	0	— 1	7	9	4	2	3	4	1	—
	23	— 6	2	5	1	5	4	4	— 3	— 1	— 1	— 9	— 11	—
	24	2	— 1	— 1	— 4	— 4	— 1	2	7	5	— 1	— 3	— 3	—
	25	— 4	— 3	— 2	7	6	7	12	9	9	3	— 8	— 7	—
	26	— 3	— 2	— 2	— 2	— 5	— 5	— 7	6	1	— 1	7	1	—
	27	7	8	5	3	6	4	9	1	— 3	4	— 1	— 8	—
	28	2	3	1	0	3	— 5	2	7	— 3	4	3	4	—
	29	— 4	— 4	— 1	0	— 2	0	— 2	11	18	14	9	5	—
	30	2	5	8	6	5	4	2	13	14	16	14	— 2	—
	31	3	2	3	4	4	8	— 1	— 3	— 3	— 7	— 2	0	—
Hourly Amount.		87	92	81	89	124	148	168	261	258	203	183	157	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JANUARY.	1	11	3	2	1	2	— 2	2	1	2	2	0	2	82
	2	5	3	6	4	5	6	4	2	5	4	3	3	93
	3	21	24	22	8	4	18	12	— 3	— 7	— 5	— 5	— 3	254
	4	6	12	16	20	13	7	1	— 3	— 5	— 6	— 4	— 11	171
	5	4	5	10	5	1	— 4	— 1	— 3	0	0	7	5	95
	6	13	11	17	16	5	— 5	— 4	— 3	— 2	— 3	— 4	— 6	154
	7	2	2	— 6	— 3	5	3	— 2	3	9	4	2	0	76
	8	0	— 15	— 22	— 22	— 20	— 14	— 6	— 1	0	2	3	6	201
	9	— 15	— 8	1	3	3	2	2	3	5	5	1	— 1	95
	10	16	11	14	13	7	2	0	— 3	— 4	— 5	— 10	— 7	165
	11	2	3	7	12	10	8	2	— 1	2	4	4	2	152
	12	— 2	— 2	8	8	0	— 2	0	5	9	10	5	1	106
	13	— 2	— 8	— 15	— 10	— 6	— 2	— 2	— 4	— 8	0	3	4	125
	14	— 5	3	8	7	11	0	4	2	1	— 5	— 7	— 6	127
	15	— 13	— 15	— 6	0	0	— 2	— 3	— 7	— 7	— 6	— 4	2	105
	16	— 13	0	15	17	9	3	— 5	— 3	— 3	— 3	— 3	— 3	180
	17	6	2	— 6	— 7	— 2	2	— 1	— 1	— 3	— 4	— 5	— 4	104
	18	— 6	— 9	— 12	— 11	7	7	6	0	— 1	— 2	— 3	— 4	116
	19	11	16	8	3	1	1	0	1	3	2	1	1	96
	20	— 1	7	9	2	— 9	— 8	— 6	— 2	— 2	3	5	3	103
	21	— 5	— 1	— 3	3	2	— 2	— 2	1	— 1	— 4	— 1	6	80
	22	— 2	— 6	— 11	— 11	— 5	— 4	— 1	1	1	7	4	0	86
	23	1	— 6	3	3	5	3	— 2	— 1	0	— 4	5	4	89
	24	— 2	4	1	2	4	0	— 2	— 1	0	1	0	— 5	56
	25	— 6	— 5	— 10	— 6	— 3	— 2	2	6	2	3	0	— 3	125
	26	4	— 2	0	— 1	— 6	— 3	— 2	1	1	2	4	4	72
	27	— 12	— 5	— 1	3	— 1	— 3	— 4	— 3	— 2	— 2	— 2	— 1	98
	28	3	0	— 13	— 10	— 5	7	8	8	1	— 1	— 4	— 2	99
	29	— 1	— 7	— 23	— 31	— 22	— 10	1	1	— 1	4	8	7	186
	30	— 13	— 22	— 16	— 11	— 9	— 4	1	3	3	0	1	1	175
	31	— 5	6	0	— 4	— 4	— 4	— 2	— 1	0	0	1	0	67
Hourly Amount.		208	223	291	257	186	140	90	78	90	103	109	107	3733

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	3	2	0	— 2	— 3	— 5	— 6	— 1	4	1	5	2	—
	2	0	1	2	1	— 2	— 7	— 11	— 4	12	7	3	0	—
	3	3	3	0	— 1	0	— 1	— 1	— 6	— 9	6	7	0	—
	4	— 6	— 4	— 6	2	— 3	— 5	— 6	— 5	7	11	7	4	—
	5	3	2	2	3	— 1	— 4	— 5	— 2	— 2	4	6	5	—
	6	4	5	0	— 3	0	2	— 2	— 7	— 1	3	2	0	—
	7	— 5	0	— 2	— 5	— 6	— 4	— 5	— 4	— 3	11	26	22	—
	8	3	3	3	1	4	2	1	— 1	— 8	— 10	— 4	2	—
	9	0	1	1	1	1	5	10	1	— 9	— 10	— 6	9	—
	10	3	4	4	2	4	5	3	— 3	— 5	— 5	— 4	— 2	—
	11	— 2	— 2	— 1	— 2	0	1	2	6	3	— 3	— 4	— 2	—
	12	2	— 2	— 3	— 3	— 1	— 1	— 1	1	6	0	1	— 1	—
	13	0	— 1	— 1	— 2	— 1	— 3	— 1	3	4	— 1	— 3	— 3	—
	14	— 2	— 4	— 1	— 1	2	5	9	6	1	— 4	— 8	— 10	—
	15	— 2	— 2	0	2	3	3	5	1	— 1	— 7	— 9	— 4	—
	16	6	2	6	5	5	2	6	3	2	3	— 8	— 15	—
	17	0	0	— 1	1	1	— 3	— 5	— 2	4	4	— 4	— 3	—
	18	0	0	1	1	— 3	— 2	1	2	5	0	— 1	1	—
	19	— 1	3	1	6	— 1	— 2	— 2	2	— 1	— 4	— 4	— 2	—
	20	— 1	— 2	3	1	2	— 3	— 5	— 1	6	4	0	— 2	—
	21	— 3	— 1	— 1	— 1	2	2	— 2	0	— 1	— 3	3	1	—
	22	4	3	3	3	2	1	— 1	— 1	— 6	— 5	— 4	1	—
	23	— 5	— 4	— 3	0	0	0	2	6	3	4	3	8	—
	24	0	1	— 2	— 3	— 2	0	1	— 3	— 2	— 2	9	— 1	—
	25	— 1	— 3	— 3	— 3	— 2	1	2	3	— 2	— 2	— 2	3	—
	26	3	3	5	3	5	7	9	— 1	— 4	— 5	— 11	— 10	—
	27	0	— 2	— 2	— 3	— 3	— 1	2	5	5	4	1	2	—
	28	— 2	— 2	0	— 3	1	3	6	0	— 5	— 2	0	— 4	—
Hourly Amount.		64	62	57	64	60	80	112	80	121	125	145	119	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
FEBRUARY.	1	2	— 4	— 5	— 8	— 5	3	7	4	0	— 1	0	1	74
	2	— 4	— 4	1	8	4	1	— 2	— 1	1	3	3	3	85
	3	0	— 3	— 2	— 2	— 2	0	1	1	2	1	1	2	54
	4	3	— 4	— 6	— 6	— 3	0	— 1	1	3	2	2	2	99
	5	0	— 7	— 4	— 3	1	— 2	— 1	1	1	1	2	4	66
	6	2	3	2	— 1	— 1	— 4	— 2	— 1	1	2	0	2	50
	7	17	8	— 5	— 6	— 7	— 9	— 8	— 10	— 8	— 7	— 1	— 1	180
	8	0	3	2	— 2	0	1	2	— 2	— 2	— 2	— 2	1	61
	9	10	6	4	— 4	— 8	— 7	— 2	— 2	— 1	0	0	2	100
	10	0	2	4	2	— 3	— 3	0	0	— 2	0	— 1	— 3	64
	11	— 3	0	2	0	— 2	0	2	2	2	2	2	2	47
	12	— 4	— 2	3	4	— 1	— 2	— 3	2	1	1	3	— 1	49
	13	— 5	— 1	2	4	8	4	— 2	— 2	— 2	— 1	— 3	— 5	62
	14	— 8	— 6	— 5	6	10	8	2	1	1	0	— 1	— 2	103
	15	— 5	— 5	— 1	3	4	5	1	2	0	2	1	2	70
	16	— 13	— 6	— 5	— 2	— 1	1	3	2	3	2	1	0	102
	17	1	2	2	— 1	0	6	3	1	2	0	0	0	46
	18	— 1	3	1	— 2	— 2	1	1	0	2	0	3	— 3	36
	19	4	1	— 6	— 4	— 4	0	0	1	1	1	2	3	56
	20	— 1	5	5	— 4	— 3	0	0	3	— 5	— 3	2	— 3	64
	21	3	1	6	2	1	— 3	— 2	0	0	0	— 1	1	40
	22	1	2	2	0	— 4	— 2	— 2	— 2	— 2	— 2	— 6	— 3	62
	23	6	4	2	2	— 4	— 3	— 2	0	1	1	0	1	64
	24	2	3	1	0	— 1	— 2	0	0	0	— 1	— 1	0	37
	25	6	8	7	2	3	— 4	— 3	— 4	— 4	— 2	— 1	0	71
	26	— 8	— 6	— 5	3	9	4	3	1	— 1	— 2	— 3	— 1	112
	27	3	— 1	1	5	6	2	— 2	— 1	0	— 1	— 3	— 2	57
	28	— 9	— 4	— 4	— 2	1	4	3	3	4	3	2	0	67
Hourly Amount.		121	104	95	88	98	81	60	50	52	43	47	50	1978

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	— 1	0	— 1	0	0	— 3	— 3	— 3	— 8	— 7	— 2	— 5	—
	2	— 7	— 15	2	— 6	— 5	— 4	— 1	— 1	— 3	— 3	— 6	— 5	—
	3	— 4	— 2	1	3	3	4	8	7	5	0	— 2	3	—
	4	— 5	2	— 2	1	5	— 1	3	4	— 1	6	4	— 2	—
	5	3	1	3	— 1	— 2	— 4	— 7	— 3	2	— 2	2	2	—
	6	3	— 2	3	— 5	— 5	— 4	— 8	0	11	13	7	3	—
	7	4	— 1	— 5	— 3	— 3	— 6	— 7	— 3	— 3	1	6	3	—
	8	— 1	— 3	— 1	— 1	— 3	— 3	1	0	5	6	4	0	—
	9	— 1	1	— 2	— 3	— 9	— 10	— 11	— 3	1	8	5	— 1	—
	10	0	— 2	— 2	— 2	— 3	— 4	— 5	— 8	— 6	— 2	4	7	—
	11	— 3	— 1	— 1	2	0	— 1	— 2	— 1	— 1	— 3	— 1	1	—
	12	— 1	17	11	16	3	4	7	4	— 1	10	— 5	— 4	—
	13	— 5	— 3	1	1	— 1	3	— 2	— 1	— 4	1	3	1	—
	14	1	7	7	5	10	6	3	2	— 3	— 7	— 5	— 6	—
	15	8	4	8	7	3	11	0	— 4	— 5	— 9	— 11	— 5	—
	16	7	2	— 3	6	4	5	— 2	0	— 1	— 7	— 3	1	—
	17	— 5	— 5	— 1	— 3	— 1	— 3	8	7	5	3	— 1	— 4	—
	18	4	4	— 1	1	3	— 1	6	8	— 1	0	— 2	— 3	—
	19	— 9	— 3	— 1	1	6	10	6	6	12	1	— 11	— 3	—
	20	1	0	— 2	2	2	5	11	10	9	4	0	1	—
	21	5	0	— 6	— 5	— 8	— 7	— 5	— 2	1	4	6	6	—
	22	4	1	— 3	— 3	— 5	— 7	— 2	— 4	2	2	4	0	—
	23	— 1	— 2	— 1	— 4	5	6	— 5	— 1	1	— 2	4	2	—
	24	— 2	0	— 1	3	0	2	2	— 1	0	4	4	2	—
	25	1	— 1	1	— 3	2	2	0	— 6	— 1	— 2	4	3	—
	26	0	— 1	— 1	— 3	— 3	— 6	— 5	— 6	— 9	— 11	— 4	3	—
	27	4	4	1	— 1	4	2	6	0	— 3	— 6	— 2	4	—
	28	2	— 3	— 4	— 2	0	4	2	— 2	— 3	0	0	— 1	—
Hourly Amount.		92	87	76	93	98	128	128	97	107	124	112	81	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
FEBRUARY.	1	3	6	5	11	15	9	3	3	7	0	0	— 2	97
	2	— 2	6	10	5	1	2	— 1	— 2	— 2	— 8	— 4	— 3	104
	3	9	4	3	4	0	— 1	— 2	— 10	— 19	1	4	1	100
	4	— 4	— 8	— 5	— 5	— 5	— 3	0	— 1	0	6	7	3	83
	5	3	2	0	2	1	3	1	0	— 3	— 3	— 3	0	53
	6	— 3	— 10	— 11	— 11	— 4	4	5	5	9	8	6	10	150
	7	— 7	— 6	— 6	1	1	2	2	2	2	— 2	— 2	1	79
	8	0	0	— 7	— 4	0	12	7	9	2	4	6	— 6	85
	9	— 7	0	6	6	1	1	0	— 1	2	— 1	1	0	81
	10	7	7	3	4	2	0	0	— 1	— 1	0	2	2	74
	11	0	0	3	— 1	2	— 3	— 4	— 2	2	3	— 1	0	38
	12	— 5	— 3	— 5	— 5	— 4	— 4	2	4	— 3	1	— 2	— 1	122
	13	0	— 3	— 5	— 6	— 4	— 1	0	1	3	1	3	7	60
	14	— 4	2	1	— 8	— 7	— 4	— 9	— 3	4	4	3	7	118
	15	— 4	3	2	5	2	— 1	0	0	— 5	— 3	— 11	— 7	118
	16	2	3	5	4	2	2	— 2	— 3	— 1	— 3	0	— 3	71
	17	— 5	— 3	2	3	1	— 3	— 4	0	1	0	1	— 2	71
	18	— 4	8	9	7	6	— 14	— 3	1	7	3	— 12	— 4	112
	19	— 12	— 11	6	7	— 5	— 5	2	3	5	— 4	— 12	— 10	151
	20	— 4	— 18	— 19	— 16	6	8	6	6	4	3	— 3	2	142
	21	5	7	0	— 3	0	2	— 1	— 2	1	6	5	4	91
	22	4	— 1	— 5	— 2	1	0	4	5	5	— 3	0	1	68
	23	— 6	— 5	— 5	— 6	— 4	— 1	1	— 1	8	1	0	— 2	74
	24	6	3	0	— 2	— 6	— 3	— 1	— 1	0	1	2	2	48
	25	3	0	— 1	— 2	— 1	— 2	— 4	— 2	0	0	3	1	45
	26	9	12	12	7	0	— 1	— 3	— 4	— 3	— 2	5	2	112
	27	12	9	6	2	— 2	— 1	— 1	— 7	— 21	— 11	1	2	112
	28	3	— 3	1	3	3	4	4	1	— 3	— 1	0	— 4	53
Hourly Amount.		133	143	143	142	86	96	72	80	123	83	99	89	2512

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	1	1	4	3	6	10	3	3	6	3	— 3	8	—
	2	7	12	1	7	9	10	2	— 12	— 10	9	14	6	—
	3	4	4	2	4	6	9	1	— 8	— 11	— 12	0	1	—
	4	1	— 6	— 2	— 8	— 10	— 5	— 12	— 4	— 4	— 13	— 8	10	—
	5	0	2	1	4	7	10	10	3	— 8	— 10	— 7	— 4	—
	6	— 1	— 1	— 2	0	1	— 2	11	18	4	2	3	5	—
	7	0	3	6	6	8	10	7	4	— 2	— 20	— 24	— 1	—
	8	— 2	1	3	6	7	11	14	11	13	10	1	— 3	—
	9	4	0	— 3	— 4	— 1	— 8	0	9	10	0	— 20	— 17	—
	10	— 4	— 4	— 3	— 2	— 3	— 9	6	19	16	8	— 4	— 12	—
	11	2	2	— 2	— 4	— 4	— 3	— 2	— 2	4	3	— 8	— 4	—
	12	0	— 13	— 6	— 9	— 4	— 7	— 11	— 5	— 2	— 5	9	9	—
	13	4	4	1	— 2	— 1	— 2	— 1	— 7	— 5	— 9	— 5	— 2	—
	14	— 4	— 4	— 5	— 3	— 7	— 7	0	12	20	17	8	1	—
	15	— 6	— 1	— 3	— 3	— 1	— 5	4	13	14	17	4	— 4	—
	16	3	10	15	11	12	14	16	— 30	— 16	— 3	13	16	—
	17	— 1	— 1	— 6	— 3	— 4	— 2	— 8	— 7	— 1	5	5	2	—
	18	— 4	— 4	— 1	— 1	— 2	2	— 4	— 2	7	6	4	0	—
	19	7	0	— 3	— 6	— 7	— 6	— 1	— 4	— 5	— 4	3	2	—
	20	— 1	1	2	— 1	0	1	1	— 12	— 17	— 7	— 2	— 1	—
	21	— 4	— 1	2	1	1	1	0	— 4	— 4	— 2	— 1	— 4	—
	22	— 3	— 1	0	0	2	0	— 3	— 11	— 9	— 5	— 1	0	—
	23	— 3	— 5	— 8	— 5	— 12	— 13	— 9	1	0	— 1	3	— 1	—
	24	3	2	3	0	2	4	0	5	2	— 1	0	— 21	—
	25	0	0	1	3	— 3	— 4	— 3	9	8	9	1	— 5	—
	26	1	2	1	4	3	3	3	2	0	4	6	3	—
	27	— 1	1	3	4	1	— 1	— 11	— 9	— 9	— 4	— 2	0	—
	28	— 1	— 1	— 3	— 4	— 5	— 12	— 11	— 1	— 7	— 9	4	4	—
Hourly Amount.		72	87	92	108	129	171	154	227	214	198	163	146	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
FEBRUARY.	1	2	— 3	— 10	— 15	— 18	— 12	— 1	1	1	5	5	4	128
	2	2	— 4	— 10	— 6	— 2	0	1	— 1	0	2	2	1	130
	3	— 1	3	— 4	— 4	— 1	— 1	2	5	10	— 4	— 6	— 3	106
	4	23	22	16	6	0	0	2	— 1	1	— 4	— 3	2	163
	5	— 1	— 5	— 8	— 13	— 8	— 6	— 3	— 2	0	— 3	— 8	— 11	134
	6	4	7	9	8	2	— 7	— 6	— 5	— 6	— 6	— 1	— 1	112
	7	0	5	10	3	— 4	— 3	— 1	— 1	— 2	— 1	— 2	— 4	127
	8	— 12	— 15	— 15	— 12	— 12	— 14	— 7	— 7	1	1	— 1	4	183
	9	10	10	7	12	14	5	2	— 1	— 3	— 3	— 4	— 4	151
	10	— 7	— 8	— 3	— 1	3	2	2	1	0	— 1	0	0	118
	11	— 5	— 4	— 1	3	7	4	3	1	— 1	0	2	1	72
	12	12	3	3	1	5	7	1	— 1	5	5	4	2	129
	13	0	1	— 1	— 2	— 4	3	0	0	— 3	— 1	— 1	— 4	63
	14	— 5	— 5	— 6	— 2	0	3	6	3	— 3	— 2	— 2	— 1	126
	15	— 6	— 6	— 7	— 9	— 9	— 5	— 3	2	5	6	12	11	156
	16	— 2	— 7	— 10	— 7	— 9	— 4	1	0	— 1	— 3	— 6	— 3	212
	17	— 1	— 9	— 12	— 1	2	6	6	3	2	1	2	4	94
	18	— 6	— 19	— 12	— 1	2	13	5	3	— 1	3	10	5	117
	19	6	9	— 4	— 8	5	4	— 5	0	0	7	11	9	116
	20	0	18	15	8	— 5	— 8	— 6	— 5	1	2	4	2	120
	21	— 6	0	8	7	5	0	1	2	0	— 2	— 1	— 1	58
	22	— 4	1	13	13	9	1	— 1	— 1	— 1	4	2	— 2	87
	23	12	17	18	14	5	0	— 5	— 5	— 9	— 6	— 1	3	156
	24	— 9	— 8	2	1	3	2	0	1	— 2	— 2	— 4	— 1	78
	25	— 14	— 12	— 4	3	6	6	4	1	— 1	— 2	— 2	— 1	102
	26	— 4	— 3	— 5	— 7	— 3	1	2	2	2	2	— 2	5	70
	27	0	1	0	3	9	9	6	8	13	6	— 4	— 7	112
	28	4	5	8	2	— 1	— 2	— 4	— 2	1	0	0	3	94
Hourly Amount.		158	210	221	172	153	128	86	65	75	84	102	99	3314

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	— 1	— 2	— 1	— 1	0	— 3	— 9	— 7	— 4	4	5	3	—
	2	0	0	— 2	0	0	— 9	— 11	— 8	— 6	3	10	15	—
	3	— 1	— 2	2	0	— 1	— 3	— 12	— 9	— 3	7	13	13	—
	4	— 2	2	4	3	3	0	0	0	— 3	— 5	— 10	— 8	—
	5	— 3	— 2	— 2	— 4	— 4	— 6	— 6	— 3	4	14	12	10	—
	6	3	2	3	2	3	— 3	— 6	— 13	— 5	2	3	4	—
	7	5	2	— 1	— 1	— 1	— 2	— 10	— 6	— 4	1	6	9	—
	8	2	— 4	— 6	— 3	— 2	— 9	— 7	2	8	2	20	21	—
	9	— 2	— 3	0	0	0	— 4	— 5	— 3	— 2	6	1	3	—
	10	0	— 3	— 5	— 5	— 4	— 4	— 3	4	7	7	7	3	—
	11	2	4	2	0	— 1	0	— 2	— 4	— 7	— 6	— 10	— 8	—
	12	2	2	1	2	3	4	4	— 1	— 3	1	— 4	— 11	—
	13	0	4	4	5	5	7	4	2	— 4	— 5	— 11	— 9	—
	14	— 4	— 4	— 3	0	2	— 2	0	— 2	2	— 1	— 2	0	—
	15	— 5	— 7	— 7	— 5	— 5	— 3	4	5	5	8	6	1	—
	16	— 1	— 1	0	2	— 3	4	5	3	— 6	0	8	— 1	—
	17	1	2	4	3	— 1	— 1	— 2	4	6	9	— 2	— 6	—
	18	— 4	— 3	— 3	— 3	2	5	9	4	10	2	4	— 7	—
	19	— 3	— 4	2	1	4	7	10	5	5	— 2	— 3	3	—
	20	4	5	1	0	2	2	1	— 1	— 2	— 4	— 5	— 6	—
	21	— 1	— 3	— 2	— 3	— 1	3	0	5	0	2	3	3	—
	22	0	— 2	— 2	— 1	0	0	4	— 1	0	— 3	— 4	0	—
	23	0	2	0	1	0	0	2	5	— 1	— 4	— 2	2	—
	24	3	1	0	— 1	— 4	— 4	— 2	4	5	3	7	2	—
	25	4	3	4	4	4	0	2	3	2	— 5	— 9	— 7	—
	26	1	3	0	1	1	5	3	1	2	— 3	— 11	— 10	—
	27	0	2	3	4	0	6	7	4	— 5	— 14	— 14	— 8	—
	28	4	1	2	0	— 2	3	8	5	0	— 5	— 9	— 8	—
	29	— 2	— 1	— 2	— 2	— 3	0	6	6	1	0	2	3	—
	30	1	1	1	1	0	0	2	— 3	— 1	— 3	— 6	— 4	—
	31	1	0	2	0	2	4	4	0	— 4	— 6	— 4	— 2	—
Hourly Amount.		62	77	71	58	63	103	150	123	117	137	213	190	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MARCH.	1	3	0	— 2	2	— 3	— 2	0	2	2	5	5	5	71
	2	11	— 1	7	— 2	— 3	— 7	— 4	— 2	— 2	0	— 1	— 3	107
	3	11	7	0	— 3	— 6	— 5	— 2	— 4	— 3	— 1	— 1	0	109
	4	— 6	3	5	— 1	0	4	2	2	2	— 3	1	— 1	71
	5	7	4	— 7	— 7	— 5	— 5	— 3	— 1	0	2	1	5	117
	6	5	— 2	— 4	— 6	— 2	— 1	2	2	3	4	4	5	89
	7	12	9	— 4	— 7	— 8	— 5	0	0	1	3	3	3	103
	8	15	5	— 3	— 4	— 7	— 7	— 4	— 3	— 4	— 3	— 1	— 1	143
	9	3	1	0	0	2	1	0	1	1	1	1	— 3	43
	10	4	2	— 3	— 1	— 2	— 2	1	0	3	3	4	0	77
	11	— 3	4	5	6	— 1	— 3	— 3	1	1	1	— 1	0	75
	12	— 6	— 7	5	6	6	7	2	2	2	— 7	— 3	1	92
	13	— 8	— 1	3	5	3	7	3	2	0	0	— 3	— 2	97
	14	4	3	4	2	3	1	0	— 2	— 3	— 1	— 2	— 3	50
	15	0	3	3	5	— 2	— 3	— 3	— 1	— 2	0	0	— 3	86
	16	— 2	— 2	— 3	— 1	1	1	1	1	— 2	— 1	— 7	— 6	62
	17	— 11	— 6	— 4	2	9	4	4	2	— 1	— 1	— 4	— 1	90
	18	— 8	— 12	— 5	— 1	3	1	2	1	1	2	— 2	— 3	97
	19	— 2	— 8	— 12	— 10	— 4	3	4	3	3	4	4	3	109
	20	— 9	— 7	— 7	— 5	0	6	5	4	4	4	0	0	84
	21	0	— 1	4	1	1	1	0	0	— 1	1	1	— 1	38
	22	0	5	7	0	0	— 1	— 6	— 5	— 3	— 5	— 3	— 1	53
	23	0	1	— 1	0	1	— 1	0	— 4	— 3	— 2	— 2	— 2	36
	24	4	8	5	0	— 3	— 3	— 7	— 3	— 2	— 6	— 1	— 3	81
	25	— 4	— 1	— 1	1	1	0	0	3	1	0	0	2	61
	26	1	4	5	6	1	— 1	— 2	0	1	2	— 1	— 1	66
	27	— 4	1	5	0	0	0	— 1	1	0	1	1	4	84
	28	— 4	0	3	4	6	2	0	— 4	— 4	0	— 3	— 2	79
	29	1	2	— 1	— 1	0	1	0	1	2	3	1	1	42
	30	— 9	— 8	0	6	6	4	3	1	2	0	0	2	64
	31	— 4	— 6	— 5	— 3	— 1	3	2	3	2	4	4	4	70
Hourly Amount.		161	125	123	98	90	92	66	60	61	70	65	71	2446

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	0	1	— 1	0	1	— 1	— 4	— 7	— 4	2	2	7	—
	2	— 1	1	— 1	1	0	2	— 6	— 9	— 4	— 4	— 3	— 2	—
	3	— 10	— 5	— 7	— 5	— 8	— 10	— 8	— 5	— 1	5	5	0	—
	4	0	3	0	0	— 1	— 1	— 1	— 1	— 4	— 3	— 4	2	—
	5	— 3	1	0	— 1	— 3	— 3	— 6	— 3	— 2	0	1	3	—
	6	— 2	— 2	— 2	0	— 4	7	11	18	13	8	— 4	— 13	—
	7	— 6	— 5	— 2	— 1	— 3	— 4	— 6	— 1	7	6	3	2	—
	8	6	11	3	— 4	— 13	— 13	3	— 1	4	— 1	— 9	— 8	—
	9	— 3	— 7	— 6	— 5	— 4	0	2	5	7	7	0	— 6	—
	10	0	— 1	— 1	— 4	— 4	— 3	— 4	— 1	— 2	3	0	1	—
	11	2	1	4	15	12	3	— 1	— 8	2	— 7	2	— 1	—
	12	3	— 1	1	0	— 1	— 1	— 3	1	6	— 4	1	5	—
	13	4	6	7	5	12	1	— 1	— 1	— 2	1	— 2	— 7	—
	14	12	5	7	4	3	3	0	6	5	7	6	— 9	—
	15	11	6	3	— 2	3	4	4	4	11	2	— 4	1	—
	16	5	6	2	3	10	0	4	— 1	2	— 4	4	5	—
	17	— 18	— 18	— 6	0	5	4	9	12	1	— 11	— 3	— 8	—
	18	29	10	— 4	0	1	9	7	1	0	— 9	— 7	— 10	—
	19	2	2	11	3	— 3	0	1	3	— 2	2	1	— 2	—
	20	— 3	— 2	— 3	1	0	0	— 2	1	3	0	— 2	0	—
	21	— 2	0	0	1	2	1	— 2	— 6	— 3	5	6	6	—
	22	— 2	— 1	3	2	1	2	— 4	— 3	— 7	— 2	0	5	—
	23	— 7	— 4	0	1	3	7	5	4	— 1	— 1	— 8	— 3	—
	24	— 1	— 4	— 5	— 6	— 5	— 5	— 6	— 6	— 3	— 1	1	9	—
	25	— 8	— 6	— 7	— 1	0	1	2	— 1	— 4	— 3	— 5	4	—
	26	— 4	— 6	— 1	— 2	4	— 3	— 3	2	— 4	— 2	9	9	—
	27	— 2	— 4	— 2	— 5	— 5	0	5	0	— 7	— 3	— 1	5	—
	28	— 6	7	1	0	— 1	2	2	0	— 1	4	5	2	—
	29	2	1	— 1	— 1	0	— 2	4	2	0	3	1	— 1	—
	30	1	3	1	— 2	— 4	— 3	— 4	— 2	— 5	— 1	— 2	— 1	—
	31	— 2	0	0	0	0	1	0	— 3	— 6	— 3	0	2	—
Hourly Amount.		157	130	92	75	116	96	120	118	123	114	101	139	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MARCH.	1	8	7	3	2	1	2	1	— 1	— 1	— 5	— 3	3	67
	2	8	13	16	9	6	5	5	6	6	2	— 5	— 6	121
	3	— 3	— 2	0	0	3	0	0	2	2	2	3	— 2	88
	4	10	9	11	8	3	— 7	— 5	— 3	— 7	1	— 4	— 2	90
	5	3	2	5	6	— 1	2	— 2	— 4	— 2	— 2	1	1	57
	6	— 21	— 4	— 1	0	2	— 1	— 6	— 3	5	5	7	— 3	142
	7	— 3	— 5	— 2	3	3	4	4	3	6	2	5	6	92
	8	— 7	5	6	7	5	7	4	2	4	1	0	— 1	125
	9	— 9	— 2	— 3	— 3	— 1	2	1	0	— 4	5	2	1	85
	10	2	9	5	4	2	— 2	— 1	3	4	6	4	5	71
	11	0	— 6	— 15	— 13	— 6	1	1	— 3	2	— 2	2	3	112
	12	3	— 2	1	— 2	— 2	3	1	2	— 2	7	— 4	— 1	57
	13	— 8	— 13	— 8	— 9	— 6	— 7	— 11	1	2	— 5	— 3	3	125
	14	— 4	— 3	— 6	— 8	— 5	— 8	— 4	— 4	— 4	— 2	3	7	125
	15	0	— 4	— 3	— 3	— 6	— 6	— 4	— 4	9	8	5	7	114
	16	— 3	— 6	— 5	— 3	3	7	6	3	— 7	— 15	— 5	3	112
	17	— 1	— 4	— 4	— 5	— 5	— 11	— 3	6	11	13	13	5	176
	18	— 10	— 10	— 17	— 8	— 7	5	6	5	0	— 9	— 11	4	179
	19	— 6	3	11	7	4	0	2	0	— 4	— 1	— 2	— 1	73
	20	6	2	1	2	3	4	4	0	1	— 6	— 7	— 7	60
	21	0	2	— 3	— 4	— 2	— 1	0	0	0	0	0	— 2	48
	22	11	5	— 1	— 3	— 5	1	5	6	2	4	4	— 4	83
	23	— 3	— 5	— 9	— 2	2	4	2	4	3	0	— 9	— 5	92
	24	9	6	8	8	8	4	3	0	— 1	5	3	— 1	108
	25	— 1	— 3	3	2	5	4	2	— 5	— 6	— 2	1	— 4	80
	26	4	— 5	0	3	3	3	— 2	1	— 2	— 3	6	— 2	83
	27	9	2	0	— 4	— 1	0	2	0	— 3	1	4	0	65
	28	— 2	— 3	— 7	— 7	— 6	— 3	— 1	— 1	1	2	6	4	74
	29	— 3	— 5	— 3	— 1	1	0	3	— 2	2	0	2	2	42
	30	4	4	9	8	3	1	— 3	— 5	— 3	— 4	— 1	— 1	75
	31	3	7	5	5	4	2	1	1	2	4	6	1	58
Hourly Amount.		164	158	171	149	114	107	95	80	108	124	131	97	2879

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	1	2	4	2	2	3	4	4	— 1	0	1	0	—
	2	5	2	5	5	8	10	8	3	6	3	— 8	— 14	—
	3	5	— 1	0	— 1	1	5	2	9	3	— 13	— 10	— 2	—
	4	— 2	— 7	— 3	— 3	— 1	— 1	2	8	10	8	8	4	—
	5	— 1	— 4	— 6	— 5	— 4	— 3	— 3	— 10	— 15	— 10	— 2	6	—
	6	— 5	— 3	— 3	— 6	— 1	— 7	— 11	— 8	— 8	— 2	4	8	—
	7	3	3	3	2	6	9	6	1	— 3	— 3	— 6	— 9	—
	8	4	5	6	11	19	19	10	— 21	— 21	— 9	— 2	9	—
	9	— 3	— 3	— 4	4	— 4	— 8	— 6	7	0	— 3	4	2	—
	10	1	0	1	1	— 2	— 3	— 8	— 11	— 12	— 8	3	6	—
	11	1	2	2	— 5	— 2	5	8	14	9	14	— 1	— 9	—
	12	1	4	0	0	1	— 1	0	— 4	— 5	— 4	1	1	—
	13	— 3	— 2	— 3	— 2	— 6	2	3	1	2	3	3	3	—
	14	— 7	— 2	— 6	— 5	— 6	— 6	— 6	— 3	— 4	— 4	2	12	—
	15	— 6	— 2	1	3	1	1	— 5	— 12	— 12	— 2	2	0	—
	16	— 3	— 2	— 1	— 1	— 5	0	2	11	11	8	5	— 4	—
	17	15	10	2	— 3	— 7	— 3	— 10	— 16	— 9	— 3	— 1	6	—
	18	— 18	— 5	5	3	0	— 6	— 1	2	3	9	10	3	—
	19	— 3	— 3	— 11	— 4	— 1	— 4	0	3	5	0	— 4	— 4	—
	20	— 1	— 3	— 2	— 3	— 3	— 1	1	2	0	— 1	— 2	0	—
	21	0	— 1	— 3	— 2	— 2	— 3	— 1	4	0	— 4	— 6	— 1	—
	22	0	0	0	0	2	2	6	2	0	— 1	— 3	— 5	—
	23	1	— 3	— 9	— 9	— 9	— 13	— 5	12	10	12	12	6	—
	24	7	8	7	7	7	8	0	— 11	— 9	— 5	— 2	0	—
	25	0	— 1	— 1	— 6	— 5	— 8	— 8	1	3	4	5	0	—
	26	2	4	4	4	1	3	6	0	2	4	— 8	— 6	—
	27	2	3	4	5	4	1	3	7	11	9	— 4	— 12	—
	28	5	1	3	3	1	— 1	0	2	3	— 5	1	— 6	—
	29	2	0	0	1	0	— 3	— 2	2	1	0	2	— 4	—
	30	— 3	— 1	2	4	5	3	3	2	9	5	5	2	—
	31	1	— 1	0	— 1	0	— 1	— 1	— 5	— 2	— 7	— 8	— 7	—
Hourly Amount.		111	88	101	111	116	143	131	198	189	163	135	151	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MARCH.	1	— 6	— 3	— 2	— 2	— 5	— 3	— 2	1	— 1	2	1	1	53
	2	— 9	— 5	— 12	— 9	— 6	— 5	— 2	— 5	— 3	— 3	0	4	140
	3	3	6	1	0	— 1	3	3	1	1	— 2	— 4	— 3	80
	4	— 8	— 16	— 16	— 3	— 4	4	6	4	6	2	5	2	133
	5	16	25	20	7	8	1	— 1	— 1	— 1	— 6	— 7	— 7	169
	6	13	10	9	5	— 1	— 1	0	0	— 3	— 2	— 4	3	117
	7	1	4	4	5	4	— 5	— 6	— 5	— 2	0	2	4	96
	8	11	2	— 6	— 4	— 4	— 7	— 2	— 4	— 5	— 3	— 5	— 6	195
	9	3	— 4	— 2	0	1	— 1	3	4	5	2	5	5	83
	10	5	0	— 2	— 1	3	7	3	0	— 3	— 1	1	2	84
	11	— 18	— 7	4	5	1	— 4	— 5	— 3	— 3	2	0	— 1	125
	12	— 1	1	— 1	— 1	— 3	— 1	0	0	2	0	5	2	39
	13	1	— 6	— 7	0	1	4	6	— 1	— 1	4	4	— 1	69
	14	6	5	7	8	5	7	1	1	5	2	0	— 4	114
	15	1	1	2	6	8	8	0	— 2	— 8	— 8	— 5	— 6	102
	16	— 2	0	— 4	— 10	— 6	— 4	— 5	— 1	7	10	6	3	111
	17	8	9	9	1	0	8	1	— 4	— 5	— 7	— 6	— 4	147
	18	7	2	— 2	— 8	— 3	— 5	— 5	0	2	10	10	— 3	122
	19	1	1	— 1	— 1	1	— 1	2	4	6	4	4	1	69
	20	— 1	4	— 2	— 3	— 7	— 5	0	2	1	7	6	5	62
	21	5	5	12	13	8	2	— 1	0	— 1	— 1	0	0	75
	22	— 7	— 8	2	6	5	— 1	— 2	— 6	0	— 3	— 2	0	63
	23	0	— 2	4	— 5	— 7	— 8	— 6	— 3	— 1	2	6	9	154
	24	— 1	— 3	— 2	1	0	1	1	3	2	— 5	— 5	— 2	97
	25	5	3	1	— 1	1	2	2	6	4	3	2	6	78
	26	— 4	— 4	— 4	— 3	— 2	1	1	— 2	1	0	— 4	1	71
	27	— 12	— 5	— 2	— 1	1	— 1	— 1	2	3	0	— 5	— 1	99
	28	— 9	— 7	— 5	— 2	— 2	— 3	— 1	6	— 3	— 4	— 3	— 1	77
	29	— 4	2	7	6	4	3	3	1	0	1	— 2	— 1	51
	30	0	— 14	— 12	— 11	— 2	2	2	3	1	3	0	0	94
	31	— 3	3	4	5	2	5	5	1	— 2	— 2	— 6	— 4	76
Hourly Amount.		171	167	168	133	106	113	78	76	88	101	115	92	3045

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	3	2	0	0	— 1	— 3	— 10	— 13	— 3	3	2	4	—
	2	5	0	— 1	1	— 2	— 6	— 10	— 12	— 1	9	24	18	—
	3	2	5	2	0	0	— 4	— 11	— 12	— 6	— 7	1	4	—
	4	2	0	0	2	3	2	— 1	— 3	— 1	— 1	— 2	— 9	—
	5	— 3	— 4	— 3	— 4	— 5	— 7	— 7	1	6	7	4	8	—
	6	— 1	— 0	2	2	2	2	— 5	— 8	— 3	— 2	4	1	—
	7	— 2	— 2	— 3	— 4	— 3	— 4	1	1	— 1	— 2	6	15	—
	8	— 2	0	— 1	— 4	— 3	— 3	— 2	— 3	0	2	6	10	—
	9	1	1	1	2	1	0	— 4	— 3	— 4	— 5	— 4	— 3	—
	10	0	— 1	— 1	— 1	— 3	— 4	— 5	— 7	— 2	4	5	8	—
	11	3	3	2	2	2	— 5	— 5	— 10	— 5	0	— 1	1	—
	12	— 1	1	1	— 2	— 4	— 3	1	5	4	— 1	— 5	— 5	—
	13	3	1	0	— 1	0	0	— 2	— 7	— 4	— 2	4	9	—
	14	— 2	— 1	— 1	1	— 3	— 1	1	3	— 2	— 7	— 6	2	—
	15	1	1	2	3	3	1	1	8	3	1	0	— 8	—
	16	— 3	— 3	— 5	— 3	— 4	1	4	4	3	2	2	— 1	—
	17	— 2	0	1	— 4	3	2	— 3	— 5	0	4	9	7	—
	18	0	0	— 1	0	1	2	1	— 2	— 3	— 3	— 2	— 1	—
	19	2	2	2	2	1	1	— 2	— 4	— 8	— 2	— 2	2	—
	20	0	— 2	1	2	— 2	— 2	— 1	2	— 1	1	3	1	—
	21	— 2	0	1	0	0	7	9	3	— 2	— 3	— 3	— 3	—
	22	— 3	1	— 1	0	0	— 2	5	5	3	— 1	1	1	—
	23	— 3	— 3	2	— 2	— 1	6	8	— 1	— 1	2	3	2	—
	24	— 1	— 3	— 2	— 2	— 2	2	0	7	0	0	1	— 2	—
	25	4	4	4	7	5	7	7	4	— 2	— 3	— 11	— 10	—
	26	1	— 1	0	3	4	9	9	16	10	4	— 18	— 21	—
	27	— 2	— 3	1	— 2	— 1	0	8	5	0	— 2	— 1	0	—
	28	2	3	3	1	1	1	1	0	1	3	— 6	— 9	—
	29	— 2	— 2	— 2	— 1	0	3	9	10	6	0	— 6	— 10	—
	30	— 1	— 2	— 1	0	2	1	8	11	10	5	— 7	— 12	—
Hourly Amount.		59	51	47	58	62	91	141	175	95	88	149	187	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
APRIL.	1	4	0	— 7	— 6	0	6	7	4	— 1	— 1	0	2	82
	2	8	2	— 10	— 15	— 12	— 1	5	4	3	3	2	3	157
	3	— 1	— 2	— 3	— 3	— 2	6	5	5	4	3	3	4	95
	4	5	— 2	— 8	— 6	— 1	3	4	4	5	2	1	— 3	70
	5	8	5	7	3	— 3	— 1	0	— 4	0	— 2	— 3	1	96
	6	— 3	— 2	— 12	— 3	0	3	2	2	3	2	4	0	68
	7	9	5	5	1	— 4	— 3	— 1	— 2	— 3	— 3	— 2	— 8	90
	8	11	10	6	— 2	— 5	— 2	— 2	0	— 2	0	1	3	80
	9	— 2	2	— 2	— 5	— 4	1	1	1	2	2	2	2	55
	10	10	4	4	3	— 5	— 3	— 2	— 1	1	1	1	5	81
	11	1	2	— 1	0	0	3	2	— 2	— 1	0	— 1	— 1	53
	12	— 5	— 1	4	7	5	0	1	0	— 2	— 3	0	0	61
	13	5	0	0	— 1	1	3	1	— 2	0	— 2	— 2	— 1	51
	14	5	2	2	2	1	0	1	1	2	— 3	0	— 1	50
	15	— 13	— 13	— 4	— 1	3	5	3	— 1	3	0	1	— 1	80
	16	4	8	9	7	— 1	— 2	— 6	— 4	— 4	— 3	— 4	— 4	91
	17	0	0	1	0	4	2	— 3	— 2	— 2	— 2	0	1	57
	18	0	— 1	— 4	— 5	— 3	0	1	4	4	3	3	3	47
	19	1	— 6	— 5	— 5	3	1	1	2	2	1	1	1	59
	20	5	5	4	1	3	0	— 4	— 4	— 2	— 2	— 2	— 1	51
	21	— 1	— 1	3	2	— 1	— 4	— 2	— 2	— 2	— 2	— 3	— 1	57
	22	7	4	2	2	1	— 4	— 5	— 4	— 3	— 2	— 4	— 2	63
	23	1	0	3	3	1	— 4	— 3	— 2	— 3	— 3	— 1	— 2	60
	24	— 1	3	4	6	0	— 6	— 5	— 4	— 3	— 1	— 2	3	60
	25	— 11	— 8	— 1	2	1	— 1	— 1	0	1	1	1	2	98
	26	— 21	— 11	— 1	5	4	1	0	3	4	2	0	0	148
	27	1	3	— 2	— 3	— 3	— 2	— 2	— 1	0	— 1	1	2	46
	28	— 4	0	1	6	6	2	— 2	— 1	— 1	— 1	— 1	— 1	57
	29	— 11	— 6	4	5	3	— 2	— 1	1	1	1	0	— 1	87
	30	— 16	— 9	3	2	4	2	0	— 1	0	0	0	1	98
Hourly Amount.		174	117	122	112	84	73	73	68	64	52	46	60	2248

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	— 1	0	3	0	— 3	— 4	— 8	— 12	— 11	— 12	— 14	2	—
	2	— 8	2	6	— 1	4	5	2	8	7	— 2	— 3	— 3	—
	3	1	— 3	— 2	— 1	0	— 3	— 3	— 5	— 5	— 4	2	4	—
	4	0	0	1	— 1	— 2	— 3	— 4	— 4	— 2	— 1	5	3	—
	5	— 2	— 2	— 3	— 6	— 5	— 3	— 4	— 4	— 5	— 3	2	6	—
	6	2	0	— 2	— 1	2	0	4	5	— 3	— 7	— 5	0	—
	7	1	— 2	— 2	— 4	— 1	— 2	— 6	2	7	18	9	— 3	—
	8	1	— 7	— 8	0	— 7	— 6	— 7	— 9	— 5	— 3	— 7	0	—
	9	3	2	4	3	2	1	3	2	3	3	4	2	—
	10	2	2	1	1	1	— 1	3	6	5	0	— 4	— 5	—
	11	1	1	— 2	— 2	— 2	— 1	3	5	1	— 1	— 7	— 3	—
	12	— 1	— 2	1	— 1	1	— 1	2	4	3	3	4	0	—
	13	— 2	5	— 3	— 1	— 2	1	2	3	10	1	— 1	3	—
	14	— 1	— 1	1	3	6	3	2	3	— 3	4	6	2	—
	15	4	3	2	1	0	0	— 6	— 7	— 3	0	5	3	—
	16	— 2	0	5	4	7	4	7	5	5	5	0	2	—
	17	5	1	— 1	— 1	— 1	1	4	— 1	0	— 4	— 9	— 6	—
	18	3	0	— 3	2	— 1	— 2	4	2	1	— 3	— 6	— 6	—
	19	— 3	— 2	— 2	4	5	10	11	6	4	— 2	— 1	7	—
	20	1	0	0	3	1	3	1	— 1	1	6	1	— 1	—
	21	— 3	— 4	0	— 1	— 1	— 5	0	— 2	— 3	— 1	6	3	—
	22	— 4	1	— 3	— 3	— 1	— 3	— 8	— 3	— 3	6	3	1	—
	23	5	2	7	2	5	3	3	10	4	5	— 3	— 10	—
	24	2	13	4	— 2	— 1	— 3	— 3	— 3	5	0	— 5	— 5	—
	25	— 3	— 4	— 3	0	1	— 2	0	— 3	— 5	— 6	6	8	—
	26	— 6	— 6	3	— 1	1	2	4	0	1	1	0	— 6	—
	27	2	— 1	— 3	0	— 1	— 3	— 3	— 4	— 6	— 4	0	3	—
	28	1	1	— 1	3	— 5	— 1	— 4	— 2	— 6	— 5	4	7	—
	29	— 1	3	2	2	— 1	2	— 1	— 4	1	5	9	0	—
	30	0	— 3	1	2	2	5	3	2	0	— 4	— 4	— 3	—
Hourly Amount.		71	73	79	56	72	83	115	127	118	119	135	107	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
APRIL.	1	16	11	15	28	15	— 5	— 9	— 9	8	— 14	— 17	— 17	234
	2	— 5	— 6	— 2	1	5	6	— 2	— 4	4	9	4	1	100
	3	1	— 4	— 1	— 2	— 1	0	0	0	0	1	0	— 2	45
	4	8	3	2	1	3	4	2	2	0	— 2	— 1	0	54
	5	6	2	0	14	12	0	— 1	— 3	1	1	1	— 9	95
	6	4	— 2	— 8	— 4	— 2	— 1	— 2	— 1	2	3	0	— 1	61
	7	0	2	3	1	7	5	1	0	2	4	1	7	90
	8	— 1	— 4	— 2	6	— 1	— 6	— 2	— 4	— 5	3	5	3	102
	9	— 1	— 1	— 4	— 4	— 2	— 2	3	1	0	2	0	— 2	54
	10	— 4	— 5	— 8	— 3	— 3	0	1	4	4	4	3	2	72
	11	0	— 3	6	— 1	— 3	— 7	0	1	— 1	— 1	— 3	5	60
	12	— 1	3	4	7	3	0	1	0	— 2	— 5	— 1	— 4	54
	13	— 2	— 11	— 4	— 5	— 8	— 2	2	3	3	5	5	3	87
	14	— 5	— 3	1	— 1	— 4	— 5	— 6	— 8	— 5	— 1	3	7	84
	15	3	3	— 3	— 5	— 1	5	— 2	1	0	— 2	— 4	— 2	65
	16	— 9	— 7	— 4	— 6	— 6	— 1	0	1	1	2	3	4	90
	17	— 3	3	10	5	— 12	— 9	— 3	— 5	— 6	1	— 1	— 2	94
	18	2	9	12	6	10	5	1	— 1	— 8	— 11	— 8	— 3	109
	19	0	— 11	— 16	— 15	— 6	5	8	9	5	3	6	6	147
	20	— 5	— 5	— 6	— 6	— 6	1	10	5	— 1	— 5	— 6	5	80
	21	2	6	— 1	— 1	1	2	3	4	5	2	— 3	1	60
	22	3	1	4	0	1	— 4	— 15	— 7	— 3	— 1	3	8	89
	23	— 12	— 7	— 4	— 6	1	1	2	2	— 1	5	2	— 1	103
	24	— 3	2	1	1	2	3	— 1	1	1	— 5	— 4	— 5	75
	25	6	11	4	— 3	1	2	4	4	3	4	0	— 5	88
	26	— 8	— 8	— 7	— 8	— 2	4	5	2	— 2	0	2	1	80
	27	3	7	6	1	3	3	0	— 5	— 4	— 1	4	4	71
	28	— 1	7	6	2	— 4	— 4	1	0	— 3	1	— 2	— 1	72
	29	3	4	— 2	— 6	— 2	0	— 2	1	— 4	— 2	2	7	66
	30	0	4	— 4	— 1	— 3	— 3	— 1	2	1	— 3	0	— 4	55
Hourly Amount.		117	155	150	150	130	95	90	90	85	103	94	122	2536

VERTICAL FORCE. D.

DEVIATIONS — UNITY = 0.00001 C G S

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	0	0	— 2	— 1	1	3	3	6	3	— 1	2	— 6	—
	2	3	— 4	— 2	2	2	4	6	— 1	— 4	— 5	— 5	3	—
	3	2	6	6	9	9	16	17	11	9	— 8	— 10	— 9	—
	4	0	— 2	— 2	0	0	2	4	2	— 3	0	— 5	— 1	—
	5	3	4	4	2	2	5	2	— 6	— 5	— 1	— 1	— 3	—
	6	— 2	— 2	— 1	— 1	— 3	0	2	0	— 4	— 4	1	— 2	—
	7	— 1	0	— 1	0	— 4	— 1	— 3	1	— 2	— 11	— 11	1	—
	8	2	6	4	0	3	0	— 1	4	— 5	— 7	— 3	— 3	—
	9	2	2	4	7	8	10	13	— 3	3	9	1	— 6	—
	10	— 2	— 2	0	— 1	— 1	— 2	— 4	— 2	— 6	— 5	0	0	—
	11	4	3	4	3	1	3	— 1	— 14	— 10	2	6	— 1	—
	12	1	2	3	6	7	6	5	— 16	— 10	— 6	— 3	4	—
	13	4	0	5	5	5	2	0	— 1	— 10	— 11	— 9	— 9	—
	14	— 1	1	— 1	— 3	— 2	— 5	— 5	— 1	4	4	— 2	— 1	—
	15	— 2	— 2	0	2	1	2	9	3	2	1	1	2	—
	16	0	1	1	2	— 1	1	— 1	0	1	3	2	1	—
	17	— 1	2	4	5	3	3	2	— 7	— 9	— 5	0	1	—
	18	— 4	— 3	— 2	— 3	— 1	— 3	— 1	2	2	— 3	— 4	— 2	—
	19	— 7	— 8	— 9	— 13	— 12	— 12	— 17	16	12	11	7	2	—
	20	— 3	— 3	— 1	— 3	— 1	— 4	0	5	10	9	9	5	—
	21	— 3	— 5	— 8	— 8	— 9	— 10	— 10	4	11	8	6	9	—
	22	2	— 1	1	— 1	— 3	— 1	— 3	— 6	— 7	— 7	— 3	5	—
	23	— 3	— 1	— 6	— 5	— 6	— 8	— 6	0	1	3	2	8	—
	24	0	— 5	— 2	4	0	1	2	— 2	— 6	1	4	3	—
	25	2	2	2	— 1	— 2	0	1	1	6	7	— 4	— 8	—
	26	2	3	— 4	— 1	— 1	— 3	1	8	13	12	9	6	—
	27	3	6	6	4	4	2	— 2	— 1	0	— 1	— 3	— 6	—
	28	0	2	4	1	5	3	2	— 6	— 3	— 1	5	— 2	—
	29	— 5	— 5	— 6	— 7	— 7	— 9	— 8	8	9	3	3	9	—
	30	— 2	1	0	— 2	— 2	— 5	— 4	— 6	0	8	14	11	—
Hourly Amount.		66	84	95	102	106	126	135	143	170	157	135	129	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
APRIL.	1	— 6	0	2	— 8	— 4	1	1	4	— 6	4	8	6	78
	2	5	10	14	6	— 5	— 10	— 3	— 1	— 6	— 8	— 6	— 1	116
	3	— 10	— 10	— 10	— 6	— 3	— 7	— 2	— 1	1	— 1	— 2	1	166
	4	— 2	1	— 2	1	— 3	— 3	— 1	1	2	4	4	3	48
	5	— 6	1	8	— 2	— 1	2	1	0	— 1	— 1	— 4	1	66
	6	— 1	4	4	— 1	— 6	0	2	5	4	1	3	2	55
	7	3	5	6	9	3	— 4	— 1	0	— 2	— 5	0	— 2	76
	8	5	10	9	4	2	4	— 2	— 1	0	— 3	— 2	3	83
	9	— 11	— 10	— 4	— 1	— 2	— 5	— 3	— 3	— 4	— 2	0	2	115
	10	2	6	7	3	6	3	0	— 4	— 3	— 1	— 1	2	63
	11	0	5	1	5	2	1	— 1	— 2	1	0	5	— 4	79
	12	5	— 1	— 5	— 4	— 3	— 3	— 3	— 3	— 1	0	— 1	3	101
	13	3	15	6	2	3	1	— 3	— 4	— 2	— 2	— 5	— 3	110
	14	1	— 2	3	7	4	3	4	4	2	— 1	— 3	— 4	68
	15	4	— 5	— 11	— 10	— 9	— 4	1	— 1	2	2	5	1	82
	16	— 1	— 5	— 5	— 1	3	1	1	1	0	0	1	0	33
	17	8	5	0	3	7	5	0	1	— 1	— 4	— 4	— 4	84
	18	— 2	— 4	0	3	— 3	— 1	2	2	4	4	— 2	— 5	62
	19	6	15	15	8	— 1	— 5	— 5	— 4	2	— 1	— 5	— 6	199
	20	— 5	— 9	— 5	— 2	1	0	— 2	1	4	4	5	0	91
	21	5	1	3	4	4	1	0	— 2	— 2	0	2	1	116
	22	2	2	1	2	4	5	7	3	— 3	— 3	— 2	— 6	80
	23	10	6	— 1	— 1	2	2	1	3	3	0	2	2	82
	24	— 1	— 3	— 6	— 3	— 1	— 1	1	— 1	0	3	3	4	57
	25	— 5	— 8	— 7	— 4	0	1	— 3	— 2	0	— 2	4	2	74
	26	0	— 9	— 15	— 11	— 7	— 4	— 3	— 2	0	2	2	5	123
	27	— 5	— 1	3	5	0	0	0	0	1	1	— 3	— 2	59
	28	— 7	— 7	— 1	— 4	3	5	3	0	1	— 2	— 1	— 1	69
	29	5	0	— 1	1	4	3	3	— 1	3	0	0	— 4	104
	30	3	— 6	— 8	— 6	— 1	3	3	2	1	3	0	1	92
Hourly Amount.		129	166	163	127	97	88	62	59	62	64	85	81	2631

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0′.1.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	1	0	1	1	— 1	— 5	0	6	6	2	— 1	— 5	—
	2	— 1	— 2	— 2	0	0	0	0	— 2	— 4	— 4	— 1	1	—
	3	1	— 1	0	— 1	— 1	— 2	— 6	— 3	— 5	— 8	— 8	— 2	—
	4	0	— 2	— 2	— 1	— 3	— 6	— 2	— 2	— 7	— 2	5	— 1	—
	5	0	1	— 1	— 1	— 2	— 1	0	— 4	— 3	1	2	2	—
	6	1	— 1	— 2	— 5	- 2	1	— 3	0	— 3	0	1	0	—
	7	0	0	3	2	9	4	7	8	4	— 1	1	— 1	—
	8	2	— 1	— 1	0	0	0	— 2	— 2	— 1	— 2	— 1	— 1	—
	9	2	0	1	3	— 1	— 4	— 5	— 3	— 2	— 1	— 8	— 4	—
	10	0	— 1	1	1	3	1	1	— 1	— 1	— 4	— 1	— 1	—
	11	— 1	1	— 2	— 5	— 4	— 4	— 13	— 8	— 1	2	4	8	—
	12	0	0	0	— 1	1	1	— 4	— 2	— 3	— 4	— 4	— 4	—
	13	0	— 1	0	0	3	4	0	— 3	2	3	1	— 2	—
	14	— 1	0	0	1	0	0	— 4	— 4	— 6	— 4	1	7	—
	15	0	3	4	5	1	0	— 2	— 5	— 5	3	5	6	—
	16	1	— 1	— 2	— 2	0	2	1	— 2	— 3	— 3	0	0	—
	17	— 1	— 3	— 3	— 2	— 2	0	— 3	— 4	— 2	— 2	2	7	—
	18	— 1	0	0	1	2	4	4	— 1	1	2	2	0	—
	19	3	4	4	6	3	2	1	0	1	0	— 8	— 5	—
	20	1	2	1	0	0	3	3	4	— 4	— 6	— 1	5	—
	21	— 1	— 1	0	4	— 1	3	4	4	3	4	3	0	—
	22	1	1	0	1	0	2	— 1	1	4	— 2	— 5	— 11	—
	23	— 1	2	— 1	0	— 1	4	10	7	4	6	8	3	—
	24	0	1	2	1	1	3	7	1	3	4	3	3	—
	25	3	2	2	0	0	0	— 1	2	4	4	— 2	— 1	—
	26	— 1	3	2	0	2	— 2	3	5	6	1	— 2	— 8	—
	27	1	— 1	— 2	— 1	— 2	— 3	— 1	0	0	— 2	0	— 2	—
	28	— 3	— 4	— 2	— 2	— 2	— 6	— 4	3	1	2	3	5	—
	29	— 2	— 1	0	— 2	— 1	1	2	0	4	0	— 3	0	—
	30	— 2	— 2	— 2	— 2	— 1	— 3	2	7	3	5	0	2	—
	31	— 1	— 1	0	— 1	0	2	2	— 1	2	0	— 2	1	—
	Hourly Amount.	33	43	43	52	49	73	98	95	98	84	88	98	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MAY.	1	— 10	— 9	— 1	1	4	6	2	3	4	— 2	2	2	75
	2	0	— 1	2	3	3	5	2	2	2	2	1	1	41
	3	3	5	2	0	3	7	4	3	3	3	0	— 1	72
	4	— 3	3	1	0	4	4	5	3	1	0	— 2	— 1	60
	5	2	4	3	2	3	— 3	0	0	1	0	0	— 1	37
	6	— 2	— 2	— 2	— 1	3	5	1	0	— 1	— 1	0	— 1	38
	7	— 9	— 16	— 11	— 11	0	2	2	3	3	2	3	2	104
	8	3	5	4	2	3	0	0	0	0	0	0	1	31
	9	2	6	2	0	3	2	0	0	1	0	— 1	0	51
	10	— 2	— 5	— 5	— 1	2	0	1	1	1	2	2	2	40
	11	14	16	9	2	— 1	— 1	— 3	— 2	— 2	— 2	— 3	1	109
	12	— 4	— 4	0	3	3	0	2	3	3	2	1	0	49
	13	— 4	— 5	— 4	— 4	3	1	1	0	0	1	2	0	44
	14	7	6	— 1	— 1	— 1	— 2	— 1	0	— 2	— 2	— 3	— 3	57
	15	1	0	2	2	1	— 4	— 1	1	0	0	0	0	51
	16	— 1	— 2	2	4	1	— 1	2	1	2	2	2	0	37
	17	12	8	— 1	0	— 6	— 2	— 2	— 2	— 5	0	0	— 1	70
	18	— 2	— 4	1	1	— 4	— 3	— 1	— 1	— 1	1	1	2	40
	19	— 6	— 6	— 5	— 4	— 4	1	2	2	3	2	3	2	77
	20	4	0	— 4	— 5	— 3	— 3	— 1	0	0	— 1	— 1	— 1	53
	21	— 2	— 4	2	1	— 4	— 2	1	— 1	— 1	1	0	0	47
	22	4	6	3	— 1	— 6	— 1	0	1	1	0	— 1	— 1	54
	23	— 3	— 6	— 8	— 8	— 5	— 6	— 7	— 3	— 3	— 1	2	— 1	100
	24	— 1	0	— 3	— 1	— 2	— 2	— 1	— 4	— 2	— 1	0	2	48
	25	— 4	— 4	— 2	6	0	1	— 3	— 4	— 2	— 4	2	3	56
	26	— 7	— 6	— 2	— 2	0	0	2	3	3	0	2	2	64
	27	3	1	6	5	2	0	1	0	0	1	— 2	— 2	38
	28	6	4	3	3	0	— 2	— 2	— 2	— 1	0	— 1	— 2	63
	29	2	0	— 1	1	4	— 1	— 1	0	— 1	— 2	— 2	— 3	34
	30	1	5	3	1	— 7	— 3	— 1	— 2	— 1	0	0	— 1	56
	31	2	4	2	— 1	— 4	— 3	— 1	— 2	— 1	0	0	0	33
	Hourly Amount.	126	147	97	77	89	73	53	49	51	35	39	39	1729

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. C. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
M A Y.	1	— 1	2	2	5	0	0	0	— 1	2	— 1	0	1	—
	2	— 1	1	0	— 3	— 3.	— 3	— 3	— 3	— 2	2	4	— 1	—
	3	1	4	0	0	2	— 1	— 2	— 5	0	2	6	5	—
	4	0	— 1	— 2	— 2	— 3	— 6	3	— 1	— 5	— 1	— 10	— 7	—
	5	— 2	2	4	10	12	9	4	— 3	— 2	5	3	— 6	—
	6	— 22	— 16	— 8	— 6	— 16	— 9	— 5	1	5	— 6	5	— 9	—
	7	3	4	8	2	4	7	— 3	— 7	0	3	— 2	— 2	—
	8	1	3	— 3	— 4	1	2	— 2	— 2	— 1	— 4	4	6	—
	9	— 1	— 1	— 3	— 2	3	— 1	— 3	0	2	0	— 1	1	—
	10	— 8	— 1	— 1	— 3	— 3	— 4	— 6	— 4	— 2	— 1	2	3	—
	11	3	— 6	— 3	— 4	— 1	— 4	— 3	— 7	— 8	— 7	2	2	—
	12	4	4	2	4	— 2	— 3	— 5	— 8	— 5	— 7	— 2	6	—
	13	1	3	3	2	2	3	6	2	— 5	— 2	— 1	0	—
	14	7	7	7	4	5	12	3	9	5	5	— 4	— 4	—
	15	5	1	1	6	7	5	4	— 1	0	— 2	— 2	— 3	—
	16	1	3	3	3	3	1	4	4	3	6	— 1	— 5	—
	17	6	7	3	0	0	1	10	17	15	18	10	— 7	—
	18	2	— 3	— 1	0	0	4	2	0	6	— 2	— 7	— 5	—
	19	3	0	— 1	3	2	3	7	7	8	2	— 1	— 4	—
	20	3	— 4	— 6	— 6	— 2	— 4	— 3	— 2	— 2	— 2	2	4	—
	21	2	0	— 1	6	2	— 4	— 5	— 7	— 5	— 2	— 8	2	—
	22	5	0	1	— 2	— 4	— 4	— 6	— 8	— 5	— 5	0	2	—
	23	— 3	— 2	— 1	— 3	— 3	— 2	— 5	— 8	— 12	— 9	— 4	5	—
	24	— 3	5	3	1	— 1	1	7	21	6	— 1	— 3	— 5	—
	25	— 3	— 3	— 1	— 4	— 2	— 2	— 2	— 1	— 3	5	14	11	—
	26	4	— 5	— 4	— 1	— 2	2	5	1	1	1	— 4	— 7	—
	27	3	4	1	0	2	1	0	— 2	— 2	— 5	— 2	4	—
	28	— 3	1	1	0	1	1	2	— 2	3	— 2	— 7	1	—
	29	2	2	0	— 1	2	0	— 2	0	1	1	— 2	3	—
	30	1	1	1	0	— 3	— 6	— 6	— 3	2	2	4	6	—
	31	— 2	— 2	— 1	— 2	— 1	— 1	1	1	3	— 2	— 3	0	—
Hourly Amount.		106	98	76	89	94	106	119	138	121	113	120	127	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
M A Y.	1	0	3	1	— 2	1	0	4	4	— 1	1	— 2	— 4	38
	2	— 1	1	— 7	— 6	2	2	1	— 1	3	3	2	4	59
	3	2	3	1	2	1	1	1	0	— 1	6	1	1	48
	4	4	10	17	13	4	2	— 5	— 6	— 12	— 15	— 14	2	145
	5	— 5	— 8	— 5	2	9	21	27	20	6	— 8	— 7	— 13	193
	6	— 8	— 6	— 2	6	6	3	4	5	7	9	8	6	178
	7	— 1	1	— 6	0	— 3	— 5	— 8	— 3	— 1	2	— 1	— 3	79
	8	0	0	3	1	1	— 2	— 4	1	1	3	1	1	51
	9	4	4	7	2	3	3	— 1	1	0	2	2	— 6	53
	10	5	1	0	0	1	4	7	6	4	3	— 2	— 7	78
	11	— 1	7	10	— 1	1	— 10	— 7	— 6	— 7	— 5	— 1	3	109
	12	8	8	1	7	8	9	— 1	2	— 1	— 7	— 3	0	107
	13	— 1	— 3	— 4	— 3	— 5	— 7	— 6	— 5	— 4	— 1	— 3	2	74
	14	— 4	— 10	— 6	— 5	— 4	— 2	— 4	— 4	— 1	1	1	1	115
	15	— 3	— 3	— 3	— 4	1	4	— 2	— 8	— 7	— 3	0	— 2	77
	16	— 7	— 8	— 10	— 6	— 7	— 5	— 4	— 1	— 3	— 3	— 2	— 2	95
	17	— 25	— 29	— 13	— 4	— 7	— 9	6	6	10	5	13	7	228
	18	— 1	1	4	6	4	1	— 1	— 3	— 6	— 6	2	1	68
	19	— 5	— 3	— 6	— 1	— 1	— 2	— 1	0	0	2	0	0	62
	20	2	7	1	— 1	4	4	1	1	4	3	3	— 1	72
	21	2	7	10	6	4	— 4	— 8	— 10	— 9	— 4	0	8	116
	22	9	14	13	8	— 2	— 2	0	2	6	1	3	— 5	105
	23	7	11	9	2	— 3	— 5	— 2	— 4	— 3	1	— 2	4	110
	24	— 2	2	— 5	— 5	— 3	— 1	— 1	4	2	6	1	0	89
	25	0	— 5	— 3	— 10	— 5	2	6	5	6	7	4	2	106
	26	— 5	— 6	— 6	— 5	— 4	— 3	— 3	2	4	3	3	7	88
	27	7	3	2	2	1	— 2	— 1	— 2	— 1	— 2	— 7	— 3	59
	28	4	— 4	2	1	3	0	0	— 1	1	— 1	— 1	— 1	43
	29	0	— 2	0	— 2	— 4	— 2	0	— 1	0	1	0	— 1	29
	30	6	2	2	— 1	0	— 2	— 1	— 1	0	1	1	1	53
	31	1	0	0	0	0	2	2	1	3	1	0	— 3	32
Hourly Amount.		130	172	159	114	102	121	119	116	114	116	90	99	2759

VERTICAL FORCE. D.

DEVIATIONS — UNITY = 0.00001 C G S

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	1	— 1	— 2	— 2	— 1	0	— 3	— 9	— 6	— 5	3	4	—
	2	— 2	— 3	— 2	0	0	0	4	14	7	8	1	1	—
	3	1	2	1	2	0	4	4	0	0	— 1	— 2	— 4	—
	4	0	— 2	— 1	0	0	— 2	— 2	4	10	3	9	4	—
	5	— 2	— 5	— 6	— 7	— 7	— 3	1	10	3	— 3	0	7	—
	6	14	8	2	— 4	1	— 5	— 3	— 6	— 6	0	2	6	—
	7	— 2	— 5	— 5	0	— 3	— 1	10	17	15	16	9	2	—
	8	3	1	6	7	3	5	12	3	3	5	— 1	— 8	—
	9	0	0	1	2	— 3	— 1	3	2	6	10	6	0	—
	10	5	1	0	0	0	0	2	1	1	— 3	— 2	— 1	—
	11	6	8	4	4	1	3	— 1	— 13	— 18	— 14	— 15	— 1	—
	12	— 10	— 8	— 6	— 6	— 4	— 3	— 3	8	8	9	5	3	—
	13	4	3	4	5	6	3	0	— 17	— 14	— 11	— 1	5	—
	14	0	— 1	0	1	0	— 1	2	— 5	— 5	— 5	— 3	— 3	—
	15	0	3	4	0	2	3	5	— 5	— 8	— 7	— 10	— 4	—
	16	— 2	— 4	— 2	— 1	0	— 3	— 5	3	1	— 8	— 2	0	—
	17	— 8	— 3	0	1	2	1	— 4	— 10	— 13	— 14	— 8	6	—
	18	0	2	1	1	3	3	0	— 2	— 3	— 4	— 1	2	—
	19	— 5	— 5	— 4	— 3	— 3	— 5	— 9	6	4	5	4	4	—
	20	1	4	5	2	2	2	— 2	— 3	— 3	— 2	— 7	— 2	—
	21	— 3	— 3	— 4	— 9	— 5	— 1	— 1	3	4	2	4	— 2	—
	22	— 6	— 3	— 2	— 1	— 1	— 2	1	6	7	10	5	— 5	—
	23	2	1	— 3	— 2	— 2	— 2	— 4	— 2	4	— 1	— 1	1	—
	24	1	— 3	— 2	0	1	— 3	— 7	— 17	— 6	1	2	5	—
	25	5	6	6	7	8	8	8	— 6	— 4	— 3	— 6	— 5	—
	26	— 2	4	0	2	1	— 2	1	6	10	10	7	2	—
	27	— 3	— 1	2	1	0	1	1	7	6	4	— 3	— 4	—
	28	3	2	1	2	3	3	1	0	— 1	2	1	— 3	—
	29	3	3	2	2	2	2	2	— 5	— 7	— 2	4	— 1	—
	30	0	1	1	2	3	3	2	— 2	— 1	— 1	2	— 5	—
	31	— 4	— 5	— 5	— 5	— 5	— 4	— 8	12	10	8	4	1	—
Hourly Amount.		98	101	84	81	72	79	111	204	194	177	130	101	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MAY.	1	12	7	3	3	— 1	1	— 1	— 4	— 1	— 3	— 2	0	75
	2	— 9	— 12	— 5	— 3	— 4	— 1	0	2	1	2	3	3	87
	3	— 4	— 5	— 5	— 3	— 3	— 1	1	2	2	— 1	2	1	51
	4	— 4	— 8	— 7	— 6	— 2	1	5	2	6	8	6	— 5	97
	5	3	1	— 3	— 6	— 7	— 13	— 12	— 6	2	10	7	11	135
	6	3	2	2	1	— 5	— 2	— 2	— 3	— 2	— 2	— 2	— 3	86
	7	— 6	— 7	— 4	— 10	— 8	— 3	1	— 1	0	1	2	4	132
	8	— 13	— 11	— 4	— 1	— 3	— 3	— 1	— 4	— 3	— 2	— 1	— 1	104
	9	— 9	— 12	— 8	— 5	— 2	— 1	0	— 1	— 1	1	2	4	80
	10	4	4	5	3	0	— 2	— 4	— 5	— 5	— 1	2	6	57
	11	14	19	19	18	5	4	0	— 3	— 5	— 6	— 8	— 10	199
	12	8	2	— 2	— 9	— 8	— 6	1	1	3	5	2	4	124
	13	10	11	3	— 1	0	3	1	0	0	— 1	— 1	— 4	108
	14	— 3	1	8	5	2	— 1	— 1	2	0	— 1	— 2	— 1	53
	15	3	6	5	6	3	— 2	1	3	1	— 2	— 6	— 4	93
	16	6	8	7	3	3	5	4	4	2	3	1	0	77
	17	17	20	6	2	6	3	— 3	— 2	— 4	— 2	— 5	— 2	142
	18	— 1	— 1	— 5	— 1	— 2	1	1	3	4	2	— 3	— 4	50
	19	— 1	— 3	— 1	— 2	0	1	2	1	2	2	3	3	78
	20	5	4	6	6	0	0	2	2	— 2	— 1	— 3	— 3	69
	21	3	— 1	1	4	0	3	3	5	4	— 1	— 2	— 5	73
	22	— 14	— 11	— 5	5	7	3	1	2	0	3	4	5	109
	23	4	6	3	3	6	6	0	2	1	— 1	0	— 3	60
	24	5	3	— 1	— 2	1	0	1	— 1	0	1	3	6	72
	25	3	1	— 4	— 6	1	0	— 3	— 3	— 3	— 3	— 5	— 1	105
	26	— 9	— 7	— 6	— 6	— 1	2	2	0	— 1	0	1	— 1	83
	27	— 8	— 3	— 5	— 1	2	2	2	1	2	2	4	2	67
	28	— 7	— 3	— 5	— 1	— 3	0	0	1	— 1	0	— 1	1	45
	29	— 1	0	— 1	0	3	0	— 1	— 2	— 2	— 2	— 2	— 1	50
	30	— 6	— 3	1	4	4	2	1	0	— 2	— 2	— 4	— 4	56
	31	0	— 3	— 1	1	2	— 1	— 1	1	1	2	3	3	90
Hourly Amount.		195	185	141	127	94	73	58	69	63	73	92	105	2707

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	0	0	—1	0	2	3	1	—3	—7	—6	—4	1	—
	2	0	1	1	4	3	—1	1	—6	—8	—3	9	8	—
	3	1	1	1	—1	—1	—1	2	—4	—6	—5	—4	2	—
	4	0	—2	0	0	0	5	6	3	2	3	—2	—4	—
	5	1	—1	0	1	0	0	5	9	4	—2	—4	—3	—
	6	0	0	—2	—2	—2	—1	1	—2	—4	—4	4	3	—
	7	—2	—1	—2	—1	—1	3	4	8	5	4	4	4	—
	8	2	2	2	2	1	3	1	2	2	—1	—2	0	—
	9	1	1	—1	—1	0	—1	4	8	6	4	—2	—4	—
	10	0	—1	0	1	—1	—2	2	1	3	1	—4	—3	—
	11	1	1	1	2	—1	—1	2	1	2	2	—1	—3	—
	12	0	1	—1	—1	—1	1	—2	2	0	—2	2	3	—
	13	—1	—1	0	0	0	2	2	2	0	2	5	6	—
	14	0	1	—1	—1	0	—1	5	6	3	2	4	0	—
	15	2	1	1	2	1	0	1	0	0	—4	—4	—4	—
	16	2	4	1	0	0	2	6	—2	—5	—2	1	1	—
	17	—1	1	1	2	2	1	2	2	1	—3	—1	—3	—
	18	—2	—3	0	1	1	0	2	1	0	5	—1	1	—
	19	3	2	2	2	2	0	—5	—4	—2	—1	—6	—8	—
	20	3	2	2	0	2	1	—5	—8	—2	1	0	1	—
	21	0	1	3	2	2	—1	—4	—7	—3	—2	—5	2	—
	22	—2	—1	—1	—1	—1	—2	0	1	10	2	5	2	—
	23	0	1	1	2	1	0	2	3	4	—1	—1	—2	—
	24	1	1	1	1	1	1	2	0	4	1	—1	2	—
	25	0	1	0	—1	0	—1	—3	—2	—5	—3	0	—2	—
	26	—5	—3	—3	—3	—1	—2	—2	4	5	7	7	4	—
	27	4	3	2	1	—2	—3	—12	—6	—6	—2	—1	—3	—
	28	—3	—3	—5	—4	—3	—2	—5	—2	1	1	—7	—5	—
	29	—8	—4	—4	—4	—1	—1	—6	—5	—4	0	1	1	—
	30	—2	—3	0	0	1	1	1	—1	0	6	7	3	—
	Hourly Amount.	47	48	40	43	34	43	96	105	104	82	99	88	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JUNE.	1	4	7	2	—3	—1	0	2	3	1	—6	—1	1	59
	2	6	1	—4	—4	—6	—2	—2	—1	—1	0	3	0	65
	3	6	8	5	—3	—2	1	—1	0	1	1	1	—1	59
	4	—4	—6	—6	—4	—1	2	2	2	—1	0	—2	1	58
	5	—3	—3	—3	—2	—2	5	3	1	2	1	—1	0	56
	6	6	2	4	0	—1	—2	—4	—5	—5	—2	0	—1	57
	7	3	0	1	—4	—4	—5	—5	—3	—1	—1	2	2	70
	8	—3	—6	—7	—4	—1	1	—3	0	0	0	—2	4	51
	9	—4	—1	2	—1	—2	—2	—1	—1	0	0	1	4	52
	10	—4	—3	—2	4	5	2	—1	—1	1	1	0	—1	44
	11	—2	—3	—1	0	0	—4	—1	0	1	2	—2	—3	37
	12	3	6	3	5	—1	0	0	—1	0	—1	—2	—2	40
	13	—2	—5	—8	—3	0	2	1	0	—3	—3	1	0	49
	14	—1	—1	—2	—2	—1	0	1	—2	—1	0	2	3	40
	15	—5	—3	—8	—8	0	4	4	4	5	4	4	4	73
	16	—3	—6	—5	—2	0	0	—1	1	—1	—1	—2	2	50
	17	0	—3	—2	—1	—1	—3	1	2	2	2	3	—1	41
	18	7	2	—2	0	1	—4	—4	—4	—2	0	—1	0	44
	19	2	4	2	2	0	—2	2	1	1	1	2	2	58
	20	1	0	—1	2	4	—3	—1	0	—1	—1	—2	1	44
	21	—1	—1	—5	—2	1	8	7	3	0	—2	—5	—2	69
	22	2	0	7	6	—2	—3	—2	—1	—1	—1	—2	—2	57
	23	—4	—3	—7	—2	0	0	1	0	2	1	1	0	34
	24	1	—2	—1	0	0	—2	—2	—1	0	0	0	0	25
	25	—5	—2	4	6	6	4	4	2	1	0	—2	—3	57
	26	1	0	1	—2	—3	—7	—4	—4	0	1	1	4	74
	27	0	4	6	9	8	7	3	2	1	—1	—2	—1	89
	28	—1	4	6	5	—1	5	7	9	8	7	7	—8	109
	29	0	5	10	3	1	2	2	—3	—2	—1	—3	—2	73
	30	—1	1	5	—1	—2	—3	—5	—3	—3	0	0	0	49
	Hourly Amount.	85	92	122	90	57	85	77	60	48	41	57	55	1698

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	— 3	— 5	— 4	— 5	— 3	2	3	8	6	4	1	— 5	—
	2	1	— 1	— 2	— 1	5	14	13	6	11	1	— 12	— 13	—
	3	7	6	5	4	6	8	5	7	9	4	— 5	— 11	—
	4	— 2	0	1	— 1	1	— 1	3	4	5	6	2	— 3	—
	5	4	9	7	10	16	7	— 11	— 13	— 4	— 8	— 9	5	—
	6	1	0	0	— 2	— 3	— 4	— 5	— 6	— 3	— 1	1	5	—
	7	1	— 1	0	— 2	— 3	— 4	— 8	— 6	— 4	— 4	— 1	2	—
	8	— 3	— 3	— 4	— 6	— 7	— 5	— 1	0	0	4	6	— 1	—
	9	— 1	— 4	— 2	— 6	— 4	— 6	— 7	— 6	— 2	3	3	8	—
	10	— 8	— 3	0	2	— 1	— 1	0	— 3	— 2	— 2	0	— 3	—
	11	— 1	— 1	9	7	3	— 1	2	0	— 8	— 4	3	0	—
	12	3	0	2	1	1	2	11	6	1	1	0	— 3	—
	13	2	2	1	— 1	— 3	— 3	— 3	4	— 1	— 4	— 5	— 3	—
	14	0	— 1	0	— 2	— 2	— 3	— 1	— 1	1	— 1	1	4	—
	15	2	3	2	3	3	4	2	4	0	0	— 5	— 3	—
	16	— 4	2	2	1	1	— 1	— 1	— 2	— 2	— 2	2	2	—
	17	— 3	— 3	— 2	1	0	0	— 4	7	7	3	7	4	—
	18	3	4	3	3	1	2	2	4	4	6	2	— 2	—
	19	— 2	— 4	— 2	— 2	— 3	— 2	1	3	1	— 3	2	1	—
	20	— 1	4	— 3	3	2	3	0	— 2	— 6	— 2	— 4	1	—
	21	2	3	0	3	4	5	3	4	— 2	2	3	— 5	—
	22	3	3	2	5	7	2	5	— 3	0	5	4	— 7	—
	23	4	— 2	— 4	— 2	— 4	— 4	2	3	5	— 1	— 1	0	—
	24	— 3	— 3	— 2	— 2	— 6	— 5	— 3	— 5	— 5	0	3	7	—
	25	— 1	— 2	— 2	— 3	— 3	— 4	— 3	— 5	— 5	— 2	4	6	—
	26	0	1	4	3	1	— 1	— 5	— 5	1	4	1	0	—
	27	— 2	0	2	1	1	— 1	0	1	2	0	— 2	0	—
	28	0	0	0	— 1	— 1	2	4	1	2	— 1	0	4	—
	29	2	— 7	— 12	— 10	— 7	— 5	— 5	— 4	— 4	— 5	— 1	9	—
	30	0	— 1	1	— 7	— 6	1	2	3	— 1	— 1	2	2	—
	Hourly Amount.	69	78	80	100	108	103	115	126	104	84	92	119	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JUNE.	1	— 4	— 1	— 1	— 3	0	2	1	9	5	12	9	1	97
	2	— 17	— 19	— 23	— 6	— 3	— 3	— 1	— 7	— 2	— 2	— 1	11	175
	3	— 14	— 7	— 5	— 5	— 3	5	1	— 1	— 1	— 3	— 1	— 3	126
	4	— 5	— 3	0	— 4	— 5	— 6	— 5	— 4	— 2	1	7	6	77
	5	5	2	7	5	2	— 6	— 2	— 1	— 1	— 3	— 2	— 2	141
	6	6	7	0	— 2	1	2	6	6	— 1	2	— 9	— 4	77
	7	11	9	6	4	4	8	5	2	— 4	— 8	— 4	— 3	104
	8	— 4	0	6	7	6	4	9	3	4	1	— 1	— 2	87
	9	2	10	7	5	4	4	4	4	2	0	— 2	— 3	99
	10	— 5	— 4	— 2	— 6	— 1	— 1	— 1	— 3	0	— 2	— 1	1	52
	11	9	8	7	3	— 4	0	— 3	— 2	— 1	— 2	— 2	— 1	81
	12	— 9	— 14	— 10	— 4	— 1	0	0	— 1	— 1	1	3	2	77
	13	4	6	7	7	0	— 5	— 3	— 3	0	1	0	— 1	69
	14	3	4	6	2	0	0	— 1	1	— 1	— 3	— 1	— 3	42
	15	0	0	— 3	— 2	— 2	1	2	0	— 1	— 1	— 4	— 3	50
	16	1	0	0	3	4	1	3	0	1	— 3	0	— 4	42
	17	— 4	— 11	0	— 10	— 4	0	1	— 1	1	— 4	— 2	— 7	86
	18	— 2	0	3	1	— 1	2	2	2	— 2	— 1	1	— 3	56
	19	— 1	— 1	— 4	0	1	— 2	— 4	— 4	2	3	4	4	56
	20	2	1	— 5	— 5	0	5	3	0	5	0	2	2	61
	21	— 10	2	10	8	— 13	— 24	— 12	— 1	0	4	2	— 5	127
	22	0	— 3	— 20	— 5	2	3	2	— 1	— 3	0	— 3	— 1	89
	23	7	5	4	2	0	— 1	— 3	1	4	2	1	— 2	64
	24	6	7	3	3	3	0	— 1	— 2	4	3	1	3	80
	25	0	4	8	5	3	0	— 3	— 4	— 2	— 2	— 2	2	75
	26	1	0	3	0	— 1	2	— 3	— 5	0	— 1	— 1	— 3	46
	27	5	7	1	— 1	0	0	0	— 2	— 5	— 5	0	0	38
	28	6	1	— 2	— 1	4	10	6	2	— 3	— 6	— 8	— 4	69
	29	5	0	— 3	— 2	0	2	— 1	6	5	6	7	5	113
	30	5	— 5	— 1	2	5	2	0	— 1	— 2	0	1	0	51
	Hourly Amount.	153	141	157	113	77	101	88	79	65	82	82	91	2407

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	6	6	8	5	6	5	7	— 6	— 4	1	4	2	—
	2	— 2	— 3	— 1	— 2	— 5	— 7	— 10	— 4	— 7	— 5	0	9	—
	3	— 7	— 5	— 4	— 1	— 2	— 1	2	3	4	6	7	0	—
	4	0	0	— 2	— 1	1	1	0	— 4	— 2	0	5	— 4	—
	5	— 4	— 8	— 7	— 7	— 9	— 4	6	7	4	5	8	2	—
	6	— 1	0	— 1	0	0	0	0	8	5	5	— 6	— 8	—
	7	— 1	2	0	0	0	0	1	0	— 6	— 3	— 7	— 4	—
	8	2	4	5	5	5	2	1	— 10	— 7	— 2	— 5	— 2	—
	9	1	2	1	4	2	1	— 1	— 3	— 5	— 6	— 1	— 1	—
	10	3	2	0	0	2	3	0	3	— 1	— 3	— 5	— 7	—
	11	— 1	— 3	— 9	— 5	— 4	— 3	— 2	6	6	7	2	1	—
	12	— 1	0	— 1	2	3	1	— 5	— 1	— 5	— 6	— 4	— 3	—
	13	— 2	— 3	0	1	0	0	0	4	5	3	— 3	— 3	—
	14	— 1	1	0	1	3	5	2	— 4	— 3	— 4	— 1	— 1	—
	15	— 1	1	4	4	6	6	10	— 7	1	— 4	— 1	1	—
	16	— 5	— 10	— 10	— 9	— 8	— 6	— 5	— 1	7	11	11	11	—
	17	— 1	0	— 2	— 3	— 2	— 2	— 4	— 3	— 2	3	1	1	—
	18	0	— 1	— 3	— 2	— 3	— 5	— 7	— 4	0	— 4	6	5	—
	19	2	5	5	7	8	7	6	1	3	8	2	— 7	—
	20	4	1	1	— 2	— 3	— 2	— 1	2	0	— 4	— 2	— 2	—
	21	0	— 2	1	— 2	— 4	— 3	0	3	4	— 1	— 3	5	—
	22	— 2	— 2	2	— 2	— 3	— 2	— 2	0	3	1	— 5	3	—
	23	4	4	5	3	3	3	1	— 11	— 6	— 5	— 3	— 1	—
	24	3	3	1	0	2	0	— 6	— 8	— 6	— 3	3	9	—
	25	3	3	3	3	1	1	0	3	2	1	— 4	— 6	—
	26	1	— 1	— 2	— 2	0	2	2	— 1	— 9	— 8	— 2	— 2	—
	27	0	2	— 1	1	2	6	10	12	8	— 1	— 2	— 3	—
	28	— 2	— 1	— 1	— 2	— 4	— 5	— 6	12	11	9	8	6	—
	29	3	4	10	7	4	6	6	2	— 2	— 6	— 6	— 5	—
	30	1	— 2	— 3	1	0	— 5	— 3	3	— 1	0	4	10	—
Hourly Amount.		64	81	93	84	95	94	106	136	129	125	121	124	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JUNE.	1	— 9	— 6	0	2	0	— 2	— 1	— 6	— 1	0	— 1	— 1	89
	2	18	17	18	6	0	— 4	— 4	— 1	— 4	— 4	— 6	— 10	147
	3	— 4	— 5	1	4	3	0	— 1	3	2	1	2	1	69
	4	— 1	3	2	0	0	2	2	3	3	— 1	— 2	— 3	42
	5	2	— 4	— 7	— 6	— 3	2	2	3	2	4	3	3	112
	6	— 8	— 3	0	5	2	— 1	— 1	— 2	2	2	6	5	71
	7	— 1	2	5	3	2	— 3	— 4	— 1	2	4	3	4	58
	8	2	2	3	2	— 1	— 3	— 6	— 4	— 4	— 2	— 1	2	82
	9	2	2	4	3	3	1	— 3	— 3	— 3	— 1	0	2	55
	10	— 6	1	2	1	1	1	2	2	2	1	— 1	— 1	50
	11	— 3	— 3	0	2	7	4	3	2	— 1	— 1	— 2	— 1	78
	12	0	9	5	6	2	— 2	— 1	0	— 1	0	— 3	— 2	63
	13	— 3	— 2	— 4	— 2	1	6	3	4	3	1	1	1	55
	14	— 6	2	2	4	1	— 1	1	1	0	1	0	— 1	46
	15	— 3	— 1	— 2	— 2	— 5	— 1	1	2	2	— 1	0	— 5	71
	16	17	11	1	— 1	— 3	— 1	— 3	— 2	— 1	— 1	— 3	0	138
	17	5	4	— 2	— 2	— 6	— 1	— 1	1	1	4	4	3	58
	18	6	4	0	— 1	— 1	— 2	— 3	— 3	— 1	— 4	— 3	0	68
	19	— 13	— 11	— 11	— 7	— 4	— 2	1	1	0	0	0	1	112
	20	2	4	6	— 4	0	1	2	3	3	1	1	— 1	52
	21	3	— 1	— 5	— 5	6	17	7	— 2	— 2	— 4	0	— 1	81
	22	— 1	— 9	0	0	— 4	— 4	— 2	— 1	3	3	4	3	61
	23	— 1	4	4	0	— 2	— 1	2	— 1	— 1	1	— 2	2	70
	24	11	— 2	— 5	— 8	— 6	— 2	0	— 1	— 1	0	2	2	84
	25	0	— 1	— 3	— 3	0	0	0	0	1	1	0	2	41
	26	— 1	— 2	7	9	3	— 1	0	— 1	— 2	— 4	— 3	— 1	66
	27	— 11	— 15	— 12	— 8	— 3	0	1	0	3	2	— 1	— 1	105
	28	— 5	— 13	— 11	— 3	0	— 3	— 1	0	3	5	8	5	124
	29	— 5	— 7	— 5	— 1	— 2	— 1	2	— 3	— 1	— 4	— 4	— 4	100
	30	11	14	9	7	1	1	2	0	— 2	— 6	— 9	— 5	100
Hourly Amount.		160	164	136	107	72	70	62	56	57	64	75	73	2348

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	0	0	3	2	2	3	5	— 3	— 4	— 7	— 4	— 2	—
	2	0	2	2	1	3	6	5	8	8	8	3	— 6	—
	3	1	0	4	2	2	2	0	3	6	4	2	— 3	—
	4	2	3	4	4	4	0	0	3	5	3	— 4	— 13	—
	5	1	1	0	1	— 1	1	— 1	0	— 2	— 1	— 3	— 2	—
	6	— 1	— 1	— 1	— 3	— 4	— 3	— 2	5	6	0	1	0	—
	7	0	0	0	1	0	— 2	— 1	6	9	5	— 7	— 10	—
	8	0	0	1	0	— 1	4	— 6	— 5	0	1	6	2	—
	9	1	1	1	— 2	— 2	0	— 14	— 1	— 1	0	— 5	2	—
	10	— 3	— 2	1	1	2	1	— 2	— 10	— 9	— 2	2	5	—
	11	3	1	— 4	— 1	— 1	— 2	— 1	— 2	— 2	— 2	— 3	3	—
	12	3	3	— 1	1	0	0	0	1	3	7	11	6	—
	13	2	2	3	1	2	4	3	6	5	2	— 1	— 5	—
	14	0	0	0	— 2	0	0	1	0	1	1	3	— 1	—
	15	1	0	1	1	0	— 1	6	4	4	2	— 1	— 2	—
	16	1	3	2	2	2	4	7	4	— 1	— 3	— 1	— 3	—
	17	— 2	— 1	— 1	— 1	0	— 1	3	1	1	0	— 7	— 4	—
	18	— 4	— 3	— 4	— 2	— 3	2	5	5	7	3	— 2	1	—
	19	1	— 1	1	5	5	1	— 5	— 2	0	— 4	2	— 4	—
	20	— 2	2	— 5	0	3	— 8	— 5	— 6	— 7	— 5	1	2	—
	21	— 4	— 4	— 2	— 1	— 2	— 2	2	4	7	6	3	0	—
	22	— 3	0	— 1	— 2	— 3	— 2	— 2	— 7	— 2	— 2	4	9	—
	23	— 2	— 4	1	1	— 2	3	1	3	2	1	— 2	— 6	—
	24	— 1	— 2	— 3	— 2	0	— 1	1	— 4	— 1	2	4	4	—
	25	— 2	— 3	— 3	— 4	— 5	— 4	— 3	— 2	— 1	1	5	7	—
	26	1	— 1	2	0	1	2	5	0	— 5	— 3	— 6	— 2	—
	27	— 2	— 3	— 4	— 3	— 5	— 8	— 6	— 2	— 1	6	9	12	—
	28	— 1	0	1	— 2	— 1	— 2	0	0	— 9	— 4	5	5	—
	29	— 1	— 1	— 3	1	— 2	0	— 2	— 2	— 3	— 5	— 4	0	—
	30	0	— 1	— 1	— 2	— 2	0	— 1	— 4	— 7	— 3	— 10	2	—
	31	1	3	4	1	0	0	1	— 5	— 8	— 4	0	4	—
Hourly Amount.		46	48	64	52	60	69	96	108	127	97	121	127	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JULY.	1	— 2	1	— 2	— 2	— 2	0	1	0	1	0	1	2	49
	2	— 11	— 10	— 7	— 6	— 5	— 1	— 1	0	0	0	1	1	95
	3	— 5	— 4	— 1	— 5	— 9	— 5	— 3	1	2	3	3	2	72
	4	— 10	— 5	0	— 2	— 5	0	3	4	4	5	2	3	88
	5	— 1	1	1	— 1	2	4	2	2	1	2	— 3	— 3	37
	6	— 2	0	— 1	5	6	1	— 3	— 1	— 1	— 4	0	1	52
	7	— 11	— 7	— 4	0	— 2	1	5	6	— 2	4	2	1	86
	8	2	5	4	4	1	2	— 2	— 2	— 2	— 3	— 1	— 1	55
	9	0	— 4	1	7	8	3	2	2	4	1	2	— 3	67
	10	1	2	0	0	2	3	— 2	— 1	— 1	— 1	3	3	59
	11	4	7	2	— 2	— 6	— 4	— 3	— 3	— 4	— 3	0	3	66
	12	3	— 1	0	— 3	— 3	— 6	— 5	— 5	— 3	— 4	— 1	0	70
	13	— 11	— 7	— 5	— 3	— 4	— 1	2	2	2	3	4	4	84
	14	0	1	1	1	1	— 4	— 3	— 5	— 4	0	— 1	0	30
	15	— 3	— 7	— 2	— 2	0	1	— 1	— 1	1	1	0	1	43
	16	1	— 2	— 6	— 4	— 4	— 2	0	0	0	1	1	— 1	55
	17	3	— 5	0	5	7	6	0	5	2	0	— 6	— 2	63
	18	1	— 4	— 1	— 5	— 2	— 1	— 2	— 3	1	3	0	4	68
	19	— 15	— 3	— 1	9	2	6	6	3	3	4	1	— 1	85
	20	5	6	3	1	5	— 1	0	0	0	— 1	— 5	— 2	75
	21	0	4	2	— 1	2	— 3	— 3	— 2	0	1	0	— 1	56
	22	15	11	3	— 1	2	— 3	— 1	— 3	— 1	— 3	— 1	— 2	83
	23	— 6	— 3	— 2	0	0	1	4	5	3	0	1	— 2	55
	24	6	— 1	1	0	1	— 3	0	— 2	— 2	0	0	— 1	42
	25	9	5	4	1	1	— 1	— 2	— 2	— 2	— 2	0	0	69
	26	— 3	— 2	— 4	— 7	— 2	3	5	2	2	3	0	— 1	62
	27	13	12	4	1	— 4	— 3	— 3	— 3	— 3	— 3	— 2	— 2	114
	28	4	5	3	2	2	2	0	— 1	— 1	0	— 1	— 2	53
	29	2	5	5	2	3	5	2	1	1	0	0	1	51
	30	6	8	1	— 2	— 1	2	3	2	0	— 8	— 1	0	67
	31	1	— 2	3	4	— 1	0	0	0	2	1	1	2	48
Hourly Amount.		156	140	74	88	95	78	69	69	55	64	44	52	1999

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	3	4	0	— 4	— 3	0	5	5	4	3	— 2	— 4	—
	2	— 3	— 4	— 4	— 1	— 2	— 3	0	3	9	5	— 2	— 7	—
	3	2	— 1	— 2	0	— 1	— 2	0	3	6	3	1	— 4	—
	4	— 1	— 4	— 3	— 1	— 1	— 2	— 6	— 4	— 1	1	3	0	—
	5	— 2	— 1	— 4	— 1	1	1	— 1	— 4	— 6	— 13	— 6	— 3	—
	6	— 1	— 3	— 3	— 3	14	12	7	— 3	— 6	— 11	— 9	— 6	—
	7	4	8	— 1	6	5	8	10	12	— 1	— 13	— 11	— 5	—
	8	— 1	3	5	1	— 2	13	6	— 1	— 3	— 8	— 5	2	—
	9	2	1	0	1	— 1	— 2	0	0	— 2	0	3	4	—
	10	4	4	6	7	7	6	4	— 3	— 4	— 6	— 8	— 1	—
	11	0	2	5	2	— 5	— 5	— 2	0	— 1	4	6	10	—
	12	— 4	— 5	— 2	— 7	— 2	— 2	— 1	— 6	— 1	2	4	1	—
	13	— 2	— 1	1	— 1	— 2	0	1	11	5	3	1	— 9	—
	14	0	5	— 3	1	0	— 5	— 4	— 8	— 4	1	7	9	—
	15	0	1	2	3	1	1	— 1	— 2	1	2	0	— 3	—
	16	1	— 3	— 1	— 1	— 3	— 3	— 1	0	— 1	— 2	— 2	— 3	—
	17	2	3	4	3	9	6	12	21	18	16	— 19	— 5	—
	18	3	4	5	7	6	7	7	10	4	— 3	3	8	—
	19	0	— 2	— 1	0	2	6	6	— 6	— 9	— 1	1	5	—
	20	1	9	5	1	2	— 3	0	5	— 4	0	7	4	—
	21	3	— 3	— 2	0	5	2	5	2	0	2	— 6	— 2	—
	22	— 6	— 2	— 2	— 4	— 1	1	— 2	— 1	2	— 4	6	1	—
	23	0	0	— 3	1	— 1	— 4	— 4	— 4	2	4	7	1	—
	24	— 1	— 3	3	1	— 1	0	0	0	3	1	4	— 5	—
	25	— 1	0	0	— 2	— 4	— 7	— 7	— 3	3	3	6	6	—
	26	— 1	2	1	— 1	— 2	— 5	— 4	— 5	0	0	— 4	— 3	—
	27	— 1	— 1	0	0	— 2	— 4	— 8	— 8	— 6	2	2	7	—
	28	— 1	— 2	— 1	— 2	— 2	— 5	— 6	— 5	— 6	0	4	2	—
	29	— 2	— 3	— 3	— 5	— 6	— 7	— 6	— 6	0	2	3	0	—
	30	— 1	— 1	0	0	— 2	— 4	— 8	— 5	— 2	0	4	4	—
	31	— 1	— 4	— 1	— 3	— 2	— 4	— 4	— 2	3	9	2	— 1	—
Hourly Amount.		54	89	73	70	97	130	128	148	117	124	148	125	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JULY.	1	1	— 6	— 8	— 8	3	4	5	5	— 1	— 3	— 3	2	86
	2	— 8	— 2	1	0	0	— 2	0	0	2	5	5	6	74
	3	— 1	2	0	1	— 2	0	— 1	— 1	— 1	0	0	— 1	35
	4	4	6	— 2	1	0	1	0	2	3	5	5	2	58
	5	7	11	10	9	— 1	— 3	— 1	— 2	— 4	— 4	— 3	— 2	100
	6	3	12	9	— 2	— 7	— 5	— 1	— 8	— 2	4	6	9	146
	7	— 1	2	3	5	9	2	— 7	— 14	4	— 5	— 6	— 6	148
	8	0	6	5	— 1	2	— 4	— 2	— 6	— 4	— 3	0	1	84
	9	— 1	— 7	— 4	— 2	— 1	3	4	1	— 4	— 6	— 9	3	61
	10	5	5	— 1	— 5	— 6	— 2	— 1	— 1	— 1	2	2	— 2	93
	11	11	— 2	— 4	— 2	3	— 2	4	5	6	— 1	— 2	3	87
	12	— 2	— 1	— 2	2	1	5	4	1	— 1	— 2	— 3	1	62
	13	— 6	— 3	— 3	— 3	2	1	3	4	0	— 1	— 2	— 3	68
	14	6	1	0	4	4	4	— 2	— 5	0	0	3	1	77
	15	— 4	— 2	— 4	— 7	— 6	— 3	0	1	3	3	3	1	54
	16	1	5	1	— 1	— 1	— 1	0	1	— 3	0	3	3	41
	17	— 16	— 11	— 8	— 7	— 11	0	— 8	— 8	— 6	— 4	— 6	— 3	206
	18	— 16	— 13	— 13	— 3	0	1	1	7	15	1	— 4	— 5	146
	19	11	— 6	— 7	— 16	— 6	5	— 3	1	1	— 3	4	4	106
	20	— 1	— 1	— 6	— 7	— 7	— 11	1	3	3	— 2	7	7	97
	21	— 1	6	— 2	— 1	— 8	1	5	4	— 2	13	2	— 6	83
	22	— 10	— 18	— 5	2	2	4	2	5	— 6	4	5	3	98
	23	— 2	— 2	3	4	4	2	2	0	— 1	— 2	— 2	— 1	56
	24	— 3	1	0	3	— 1	— 1	— 1	1	1	1	— 1	— 2	38
	25	5	— 1	— 1	1	4	— 1	0	2	1	5	0	1	64
	26	5	6	6	2	— 1	0	0	1	0	1	- 1	1	52
	27	6	4	6	8	5	1	— 3	— 3	— 4	— 2	1	2	86
	28	1	2	12	4	0	— 1	0	— 1	— 1	— 1	— 1	— 2	62
	29	3	6	12	12	7	3	2	— 2	— 3	— 3	— 1	— 1	98
	30	5	4	5	6	5	3	— 2	— 1	1	— 1	— 1	— 5	70
	31	— 6	— 10	— 4	8	5	1	2	1	— 1	— 1	— 3	— 5	83
Hourly Amount.		152	164	147	137	114	77	67	97	85	88	94	94	2619

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	— 5	— 7	— 5	1	1	1	— 1	1	8	11	3	— 3	—
	2	— 1	0	2	2	3	2	— 2	3	4	5	5	5	—
	3	— 3	— 2	— 1	— 2	— 1	2	2	— 1	— 2	3	5	7	—
	4	2	3	4	1	1	2	5	— 3	— 1	1	6	0	—
	5	2	1	2	0	— 2	0	4	3	5	6	2	3	—
	6	3	3	2	0	— 11	— 11	— 8	— 4	3	11	12	8	—
	7	— 3	— 6	— 3	— 5	— 6	— 7	— 9	— 1	8	20	16	6	—
	8	1	— 1	— 3	— 2	0	— 9	— 5	— 4	— 6	0	3	4	—
	9	1	2	4	3	5	3	3	2	5	5	2	— 5	—
	10	— 6	— 4	— 9	— 11	— 8	— 7	— 3	13	5	3	0	— 4	—
	11	5	6	7	9	13	13	15	— 3	1	— 10	— 15	— 12	—
	12	— 3	— 2	— 6	— 2	— 6	— 6	— 6	12	— 1	— 7	— 2	6	—
	13	— 2	0	— 2	2	2	1	3	3	2	2	1	2	—
	14	0	— 1	1	0	— 1	1	4	2	0	— 4	— 6	1	—
	15	— 2	— 1	— 1	0	1	0	— 3	— 3	2	0	0	1	—
	16	— 1	1	— 1	0	3	1	0	— 1	— 1	— 2	— 2	— 4	—
	17	— 4	— 3	— 2	— 2	— 4	— 2	— 8	— 15	— 11	— 2	8	7	—
	18	— 2	— 4	— 4	— 6	— 5	— 7	— 10	— 9	— 6	— 1	3	2	—
	19	— 1	0	— 2	0	— 5	— 3	— 3	1	3	0	2	3	—
	20	2	— 2	0	1	— 1	4	2	2	2	— 1	— 11	— 5	—
	21	— 3	0	0	— 2	— 3	— 4	— 5	6	9	10	12	7	—
	22	8	4	4	4	0	— 2	1	— 2	— 2	— 1	— 2	— 3	—
	23	2	0	2	— 1	2	0	0	1	— 1	— 3	6	6	—
	24	3	5	1	0	1	3	1	— 3	— 7	— 9	— 8	— 2	—
	25	4	4	2	3	3	3	1	— 5	— 10	— 13	— 9	0	—
	26	— 1	— 1	0	2	2	1	4	6	6	1	— 3	— 4	—
	27	1	1	2	— 2	— 3	2	— 1	0	— 3	— 8	— 5	— 7	—
	28	— 2	— 1	— 1	— 2	0	2	1	— 2	0	0	1	— 4	—
	29	0	0	3	4	3	7	3	5	1	— 8	— 13	— 8	—
	30	4	5	5	5	8	11	16	1	— 2	— 4	— 4	— 6	—
	31	— 2	— 1	— 2	— 2	— 2	2	0	— 2	— 3	— 3	0	5	—
Hourly Amount.		79	71	83	76	106	119	129	119	120	154	167	140	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JULY.	1	— 11	— 12	0	4	— 1	— 1	— 3	— 3	1	3	1	— 3	90
	2	— 1	— 9	— 10	— 7	— 1	2	2	2	2	0	1	1	72
	3	0	— 7	— 5	— 10	1	1	3	3	3	4	3	4	75
	4	— 3	— 10	— 11	0	1	— 2	0	— 1	— 1	— 2	— 2	— 1	63
	5	— 7	— 10	— 10	— 8	— 7	— 2	1	3	3	4	3	3	91
	6	3	— 7	— 2	— 8	1	7	— 1	3	— 2	— 3	— 5	— 6	124
	7	4	— 2	— 3	— 3	— 2	— 3	1	6	— 2	2	1	3	122
	8	6	— 1	2	3	1	2	0	1	0	— 1	— 1	— 1	57
	9	— 1	— 6	— 5	— 5	0	2	— 1	0	1	4	2	— 3	70
	10	0	6	6	6	3	2	— 1	— 3	— 1	1	0	4	106
	11	— 11	3	6	8	2	— 3	— 5	— 7	— 6	— 5	— 4	— 8	177
	12	9	11	9	7	3	— 2	— 2	— 2	— 1	— 1	— 2	— 4	112
	13	— 1	— 7	— 7	— 3	0	1	1	2	3	2	1	1	51
	14	— 1	— 1	0	— 4	— 1	0	4	3	1	0	— 1	— 2	39
	15	9	7	— 4	— 3	2	3	— 1	1	2	— 1	0	1	48
	16	— 3	4	5	4	1	0	1	0	2	1	0	— 1	39
	17	6	10	9	8	7	— 2	1	2	2	0	2	1	118
	18	15	10	5	0	— 4	— 3	— 1	— 4	— 7	2	5	2	117
	19	— 1	1	1	11	3	— 5	0	0	0	2	— 2	0	49
	20	— 6	— 2	3	3	1	4	2	0	0	2	— 2	— 6	64
	21	0	— 10	— 13	— 12	— 4	0	0	— 1	3	— 3	5	7	119
	22	3	8	0	— 6	— 7	— 3	0	— 2	2	— 2	— 1	1	68
	23	3	0	— 8	— 9	— 5	— 2	— 1	0	3	3	5	6	69
	24	4	7	7	4	2	— 1	— 1	— 4	— 4	— 2	0	3	82
	25	6	11	9	3	— 1	0	— 2	— 5	— 5	— 4	— 2	— 3	108
	26	— 8	— 6	1	1	0	— 2	— 1	0	— 2	0	1	0	53
	27	0	10	12	10	5	2	4	1	1	— 1	— 3	— 3	87
	28	— 2	3	3	4	— 1	0	— 2	— 2	— 3	— 1	— 2	0	39
	29	— 6	— 1	2	0	0	1	0	3	0	3	— 2	2	75
	30	— 11	— 8	— 6	— 3	— 5	— 3	2	1	— 1	— 1	0	— 1	113
	31	9	6	7	1	2	3	1	0	1	— 1	0	0	55
Hourly Amount.		150	196	171	158	74	64	45	65	65	61	59	81	2552

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	0	1	1	2	4	3	0	— 1	0	— 5	2	— 1	—
	2	— 2	— 1	— 3	— 3	— 2	— 1	— 1	— 1	2	1	— 4	0	—
	3	— 5	— 5	— 5	— 3	— 2	— 5	0	2	6	4	9	13	—
	4	0	2	0	0	0	1	— 1	0	— 2	1	— 6	— 1	—
	5	0	2	3	2	3	3	3	7	9	2	— 9	— 10	—
	6	— 6	— 4	— 3	— 3	— 3	— 1	2	5	5	7	7	11	—
	7	3	4	4	7	5	3	— 2	— 5	— 2	5	— 3	— 5	—
	8	1	1	2	5	3	3	1	1	3	— 4	— 3	7	—
	9	3	8	4	5	4	— 1	— 1	— 4	— 2	0	— 2	— 1	—
	10	— 2	— 3	2	— 2	1	— 1	9	15	9	7	3	— 2	—
	11	0	— 1	— 1	— 1	— 1	1	2	1	— 6	0	2	2	—
	12	0	0	0	0	— 1	1	0	— 1	— 5	— 3	0	— 1	—
	13	0	— 1	— 1	— 1	2	0	— 1	— 7	— 8	— 4	6	7	—
	14	0	0	— 1	1	1	1	— 6	— 7	— 6	1	3	6	—
	15	— 2	— 5	— 2	— 3	2	— 1	6	8	19	7	— 1	— 1	—
	16	0	1	— 2	— 1	0	4	2	5	— 1	3	4	— 7	—
	17	2	— 1	— 1	— 3	— 1	3	5	2	— 2	0	— 4	— 4	—
	18	— 2	— 1	— 1	0	1	1	— 2	— 4	— 6	— 1	4	7	—
	19	1	4	3	5	5	1	— 3	— 1	5	3	— 1	— 7	—
	20	4	3	0	0	— 3	— 6	— 6	4	1	0	— 4	— 7	—
	21	2	3	2	0	— 1	— 1	— 3	1	5	9	— 2	— 13	—
	22	3	1	1	— 1	— 4	— 4	— 6	— 4	0	1	— 3	— 8	—
	23	0	0	0	0	— 2	1	3	3	4	2	1	— 3	—
	24	0	— 3	0	— 2	— 2	1	3	2	4	— 3	— 3	— 2	—
	25	0	1	1	2	2	2	2	3	4	6	2	— 4	—
	26	— 1	— 1	— 1	— 2	— 2	2	10	9	5	2	2	1	—
	27	0	— 2	0	— 1	— 2	0	— 2	— 7	— 7	— 4	— 3	0	—
	28	— 1	— 2	— 1	— 1	— 1	— 2	— 9	— 11	— 9	— 6	— 1	6	—
	29	0	0	0	0	— 1	— 2	0	— 8	— 12	— 6	5	10	—
	30	0	0	0	— 1	— 1	1	— 3	— 5	— 6	— 1	2	10	—
	31	3	1	2	0	0	0	— 5	— 6	— 5	— 8	— 4	3	—
Hourly Amount.		43	62	47	57	62	57	99	140	160	106	105	160	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
AUGUST.	1	— 2	— 1	— 2	0	3	0	0	1	0	1	— 3	0	33
	2	3	— 1	1	6	6	4	1	0	2	— 1	— 4	— 4	54
	3	10	6	0	0	— 2	— 6	— 8	— 5	— 4	— 5	— 2	0	107
	4	5	5	3	2	— 1	— 3	— 3	— 1	— 1	0	2	2	42
	5	— 6	— 6	— 7	1	2	3	0	1	1	— 1	— 1	— 5	87
	6	10	7	— 1	— 5	— 5	— 6	— 6	— 4	— 3	— 1	0	2	107
	7	— 4	— 9	— 8	— 3	— 7	0	3	2	2	— 1	— 1	0	88
	8	5	4	2	— 1	— 7	— 3	— 3	— 6	— 4	— 3	1	1	74
	9	3	2	— 1	— 2	— 3	— 1	— 1	— 1	— 4	— 5	— 2	— 4	64
	10	— 6	— 3	— 2	0	— 1	— 3	— 2	— 1	— 1	— 3	0	0	78
	11	5	5	4	3	0	— 1	— 2	— 2	— 1	0	0	1	42
	12	— 2	0	4	0	— 3	— 2	0	0	1	1	1	0	26
	13	4	6	8	3	— 2	— 3	— 2	— 2	0	0	0	0	68
	14	3	3	8	6	0	— 3	0	— 5	— 2	— 1	— 4	1	69
	15	— 9	— 10	— 6	7	8	1	0	— 2	— 3	0	— 9	— 5	117
	16	— 5	— 3	— 5	1	5	5	0	2	1	— 1	— 11	0	69
	17	4	— 1	2	0	0	— 2	3	0	0	— 2	1	— 2	45
	18	8	9	3	0	— 2	— 2	— 2	— 1	— 13	— 4	2	3	79
	19	— 9	— 13	— 10	— 4	2	7	4	4	3	6	5	4	110
	20	— 7	— 3	0	— 1	3	2	3	4	4	4	4	4	77
	21	— 15	— 12	— 10	— 1	2	7	6	6	5	6	5	3	120
	22	— 6	1	— 1	0	1	4	2	3	2	2	3	2	63
	23	— 5	— 11	— 8	— 8	2	2	2	4	3	3	5	— 3	75
	24	— 5	— 5	2	1	2	2	0	1	— 1	— 1	— 1	0	46
	25	— 8	— 6	0	— 1	— 1	— 1	0	1	0	— 2	— 1	— 1	51
	26	— 3	— 6	— 8	— 9	1	0	1	4	3	3	5	1	82
	27	3	8	6	2	1	2	4	3	3	1	3	— 1	65
	28	7	10	4	0	0	1	2	0	2	— 1	2	— 2	81
	29	12	9	3	— 7	— 5	— 2	— 3	0	— 1	0	— 3	0	89
	30	5	9	5	0	— 6	— 5	— 2	— 1	0	1	3	4	71
	31	5	4	8	3	1	1	3	4	5	5	2	1	79
Hourly Amount.		184	178	132	77	84	84	68	71	75	65	86	56	2258

HORIZONTAL FORCE. D.

DEVIATIONS — UNITY = 0.00001 C. G. S.

AUGUST.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
1	— 1	— 3	— 3	— 3	1	7	5	— 1	— 5	— 8	— 9	0	—
2	1	— 1	4	2	2	4	3	— 1	— 1	2	0	0	—
3	0	0	0	— 1	— 1	— 1	— 1	— 6	— 11	— 7	4	9	—
4	— 1	— 1	— 1	— 2	— 1	1	1	2	8	9	5	2	—
5	2	0	— 3	— 3	— 3	— 1	2	2	4	3	2	2	—
6	1	— 2	— 2	— 5	— 4	— 2	— 5	— 3	2	0	4	5	—
7	— 3	1	— 4	— 5	2	— 3	— 1	1	0	— 4	— 11	— 1	—
8	— 4	3	— 6	— 4	— 3	0	4	— 2	— 3	3	7	2	—
9	— 3	— 4	2	— 2	— 2	1	— 2	2	8	7	9	— 7	—
10	— 2	— 4	0	— 2	— 4	— 4	— 6	— 12	1	0	0	3	—
11	— 2	3	2	0	— 3	0	2	1	— 2	— 2	3	1	—
12	0	4	0	— 2	— 3	— 2	— 3	1	2	6	10	0	—
13	— 3	— 1	— 1	— 2	— 4	— 3	— 2	— 3	3	3	— 3	— 5	—
14	1	— 1	1	1	4	2	4	1	— 3	— 4	0	3	—
15	— 15	— 9	8	3	6	11	13	8	— 1	— 8	— 8	— 6	—
16	2	6	3	18	8	— 1	— 2	4	5	— 3	— 7	— 7	—
17	12	9	5	1	4	3	7	9	6	4	1	— 9	—
18	3	5	3	5	— 1	1	— 2	6	15	17	— 4	— 3	—
19	16	2	— 4	— 4	— 4	— 5	— 5	— 3	— 9	— 2	— 2	— 3	—
20	— 5	— 2	4	3	7	6	2	7	3	— 1	8	6	—
21	8	5	4	2	2	— 2	0	0	0	0	2	4	—
22	4	1	— 1	0	— 2	— 5	— 6	— 8	— 10	— 2	— 2	11	—
23	0	— 3	— 6	— 2	0	— 2	— 2	0	1	— 4	— 6	— 2	—
24	0	— 2	— 1	2	2	— 2	0	2	— 5	1	0	— 1	—
25	— 5	— 2	1	4	4	7	5	0	— 4	— 10	— 8	0	—
26	4	3	3	3	2	— 1	0	1	3	4	0	— 1	—
27	— 1	2	— 4	— 3	— 3	— 3	— 5	— 8	— 10	— 8	1	6	—
28	— 1	— 1	0	3	3	— 2	— 2	0	0	0	1	2	—
29	— 3	2	— 3	— 5	— 4	— 5	— 4	0	6	4	5	— 4	—
30	— 3	— 4	— 3	— 3	0	0	0	0	— 4	— 3	— 2	— 5	—
31	— 1	1	1	— 1	0	2	3	5	5	4	2	1	—
Hourly Amount.	107	87	83	96	89	89	99	99	140	133	126	111	—

AUGUST.

Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
1	6	8	12	12	3	4	— 5	— 2	— 6	— 4	— 9	0	117
2	— 1	— 7	— 6	0	2	2	1	— 2	1	2	0	1	46
3	9	10	2	— 1	— 1	— 1	1	1	0	— 2	— 1	1	71
4	— 4	— 13	— 10	— 4	2	0	2	3	6	4	2	0	84
5	— 10	— 5	— 6	— 9	— 3	— 2	1	5	0	3	3	2	76
6	6	6	6	6	4	3	3	1	2	2	0	0	74
7	2	3	4	10	10	7	— 5	— 14	— 13	— 6	— 4	— 6	120
8	— 3	8	10	12	8	— 1	— 3	1	— 2	1	— 5	2	97
9	— 4	— 1	2	— 8	2	4	5	3	4	5	— 3	0	90
10	2	1	3	5	1	0	1	— 2	— 6	2	2	2	65
11	— 4	— 6	— 5	— 1	1	— 2	2	— 2	— 1	— 1	— 1	3	50
12	— 3	0	5	5	6	3	0	— 1	— 3	— 2	— 2	— 2	65
13	— 3	— 1	— 1	0	1	2	2	0	— 1	— 1	0	1	46
14	4	7	9	9	5	9	4	3	0	— 2	2	— 7	86
15	— 8	1	— 10	— 23	— 17	— 14	5	0	8	3	10	4	199
16	— 1	— 5	— 13	— 18	— 9	— 3	7	4	3	3	8	— 6	146
17	— 9	— 19	— 14	— 9	— 1	2	— 2	6	1	— 7	0	1	141
18	— 9	— 6	2	— 4	— 6	— 6	0	— 4	17	— 1	0	— 1	121
19	2	5	2	5	2	0	7	7	6	— 1	— 4	— 10	110
20	— 9	— 23	— 25	— 24	— 22	8	10	2	— 3	3	6	11	201
21	1	— 4	— 9	— 4	— 5	— 4	— 16	4	5	4	7	7	99
22	15	13	9	5	— 2	— 3	— 2	1	0	0	— 2	— 3	107
23	4	12	12	11	6	0	— 3	— 5	— 8	— 3	— 3	5	100
24	0	5	6	8	0	— 6	— 8	— 2	4	1	0	— 1	59
25	1	7	— 6	— 5	2	4	3	— 2	— 5	— 2	— 3	1	91
26	— 5	— 1	3	6	3	2	— 4	— 10	— 10	— 2	0	— 1	72
27	12	10	10	2	— 3	— 5	— 5	1	3	2	1	2	110
28	1	— 4	4	1	— 2	— 8	— 4	0	0	3	1	2	45
29	6	3	4	7	10	8	2	— 1	— 5	— 6	— 6	— 3	106
30	1	0	1	4	4	1	— 2	0	1	0	— 1	— 3	45
31	1	1	— 8	— 1	— 2	2	— 1	1	1	1	2	— 1	48
Hourly Amount.	. 146	195	219	219	146	116	116	90	125	79	88	89	2887

VERTICAL FORCE. D.

DEVIATIONS. - UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	2	3	3	3	2	— 1	1	— 8	— 8	0	3	— 1	—
	2	— 4	— 4	— 8	— 6	— 8	— 10	— 12	— 5	— 5	5	5	13	—
	3	— 3	— 3	— 5	— 8	— 7	— 7	— 11	— 7	— 1	0	— 4	5	—
	4	— 1	— 1	1	1	0	— 2	0	0	— 5	— 2	2	0	—
	5	2	3	4	2	1	— 2	— 2	3	3	9	8	— 3	—
	6	5	5	2	2	1	1	0	— 4	— 6	— 4	— 5	— 5	—
	7	0	1	3	5	3	5	5	8	8	6	8	3	—
	8	7	5	9	6	8	5	3	— 1	1	— 2	— 11	— 10	—
	9	— 2	1	0	2	4	2	0	0	— 2	— 4	— 1	2	—
	10	1	3	2	3	5	4	3	— 2	— 9	— 7	— 3	0	—
	11	1	0	3	5	6	8	4	— 4	— 3	— 10	— 7	0	—
	12	— 5	— 4	— 2	— 2	— 2	— 4	— 3	6	6	0	— 3	1	—
	13	— 1	— 1	0	1	3	5	5	9	2	— 7	— 11	— 5	—
	14	— 1	0	— 1	1	0	1	8	3	— 4	— 9	— 7	— 2	—
	15	4	1	— 13	— 8	— 8	— 12	— 13	— 9	2	15	21	15	—
	16	— 4	— 7	— 5	— 11	— 3	2	4	4	6	5	4	5	—
	17	— 3	— 2	0	2	1	3	— 2	— 8	— 6	1	0	5	—
	18	— 3	— 3	— 1	— 1	2	2	4	3	1	— 6	— 3	— 7	—
	19	— 4	— 2	3	3	1	2	— 1	— 1	4	2	8	8	—
	20	5	1	— 3	— 3	— 4	— 4	— 4	— 2	— 3	— 5	0	3	—
	21	— 8	— 7	— 8	— 9	— 10	— 11	— 11	12	14	16	16	11	—
	22	2	3	3	1	3	3	4	9	15	14	4	— 14	—
	23	2	2	5	0	— 2	1	0	— 3	1	6	3	— 4	—
	24	3	6	5	1	3	2	4	— 6	— 3	— 6	— 3	0	—
	25	3	0	— 1	— 3	— 4	— 6	— 3	2	1	4	2	1	—
	26	— 5	— 4	— 4	— 5	— 4	— 4	— 9	— 1	1	3	1	2	—
	27	— 1	2	5	6	5	7	8	7	6	— 4	— 10	— 14	—
	28	0	2	3	— 1	3	7	8	— 1	0	— 2	— 6	— 3	—
	29	0	— 2	1	3	2	1	5	6	— 3	— 4	— 14	— 6	—
	30	1	1	1	0	— 1	— 2	1	— 6	— 10	— 9	— 4	2	—
	31	0	2	1	2	1	4	5	2	0	3	4	— 2	—
Hourly Amount.		83	81	105	106	107	130	143	142	139	170	181	152	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
AUGUST.	1	— 2	— 5	— 5	— 1	5	2	7	3	6	3	5	— 1	80
	2	16	14	9	0	— 5	1	— 1	3	1	0	1	— 1	137
	3	17	23	16	9	5	1	— 4	— 6	— 5	— 3	— 5	— 5	160
	4	— 6	— 5	— 1	— 4	— 2	1	0	0	0	0	3	4	41
	5	— 6	— 5	— 9	— 10	— 5	— 3	— 3	— 2	1	2	5	3	96
	6	0	6	8	1	— 3	— 2	— 3	— 3	— 3	— 3	— 3	— 2	77
	7	— 2	— 11	— 17	— 17	— 13	— 7	0	5	4	1	0	5	137
	8	— 10	— 1	0	3	3	1	2	0	— 1	— 2	0	— 3	94
	9	— 1	— 7	— 3	2	— 2	0	0	0	— 2	— 2	3	3	45
	10	1	8	7	2	2	2	— 1	1	1	— 1	— 1	— 1	70
	11	3	0	— 5	— 3	0	— 3	0	2	0	— 3	— 4	— 5	79
	12	4	3	— 2	3	4	3	1	2	2	0	0	— 1	63
	13	— 2	— 3	6	8	4	2	0	1	1	— 1	0	— 2	80
	14	0	— 9	— 5	0	3	— 1	2	3	3	2	— 3	0	68
	15	17	9	1	8	10	9	— 5	— 3	— 10	— 2	— 5	— 4	204
	16	— 7	— 8	— 5	— 3	— 3	— 2	— 5	0	3	7	2	10	115
	17	1	11	9	4	— 1	— 3	0	0	2	5	1	3	73
	18	— 4	— 7	— 7	— 2	— 5	— 2	— 2	2	— 2	4	2	0	75
	19	1	— 5	— 10	— 10	— 7	0	— 1	1	4	5	6	9	98
	20	10	9	10	9	9	— 9	— 5	— 1	0	— 5	— 7	— 9	120
	21	8	— 3	— 2	— 7	— 3	— 1	5	— 4	— 5	— 5	— 2	— 1	179
	22	— 15	— 10	— 4	— 1	1	2	0	— 1	— 2	— 1	2	3	117
	23	— 1	0	— 5	— 10	— 8	— 1	1	1	3	2	2	— 2	65
	24	3	1	— 6	— 7	— 2	1	1	— 2	— 5	— 4	— 2	2	78
	25	2	2	13	10	4	0	— 2	0	1	— 2	— 1	— 2	69
	26	7	14	14	3	— 3	— 1	1	2	1	— 3	— 2	1	95
	27	— 13	— 4	— 2	3	7	5	4	— 2	— 3	— 2	— 1	— 3	124
	28	— 6	— 8	— 8	1	5	3	3	2	0	— 1	0	— 2	75
	29	— 10	2	6	5	0	— 2	— 1	1	3	4	1	— 1	83
	30	10	7	7	4	3	1	1	— 1	— 1	0	— 2	0	75
	31	— 11	— 15	— 11	— 4	0	— 1	0	0	2	3	3	6	82
Hourly Amount.		196	215	213	154	127	72	61	54	77	78	74	94	2954

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0′.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	1	— 1	0	2	2	— 2	— 3	1	1	— 5	— 4	— 4	—
	2	1	— 1	— 2	— 1	0	3	1	— 4	— 8	— 6	1	4	—
	3	2	2	— 2	— 3	— 1	— 1	2	8	7	— 2	— 10	— 13	—
	4	1	— 2	— 2	1	1	2	7	4	3	— 2	— 10	— 5	—
	5	— 1	— 2	0	— 1	1	7	10	2	— 1	— 2	— 3	0	—
	6	3	2	3	3	2	5	2	— 2	2	— 2	— 3	— 5	—
	7	— 3	— 5	5	— 4	— 1	5	9	19	5	— 3	1	— 3	—
	8	1	1	2	1	1	0	7	9	12	5	— 4	— 10	—
	9	3	2	— 2	— 2	0	5	16	17	12	4	— 2	— 12	—
	10	3	2	3	1	2	4	9	7	7	6	— 2	— 8	—
	11	2	2	1	2	0	— 5	— 4	— 1	— 4	— 2	— 3	7	—
	12	0	0	— 3	— 5	— 4	— 6	— 1	15	6	— 1	— 6	— 6	—
	13	— 5	0	3	0	2	— 1	— 1	— 2	1	0	1	0	—
	14	— 1	— 2	— 2	0	— 1	2	4	— 3	— 3	— 5	— 3	— 1	—
	15	3	2	3	5	0	— 2	— 4	0	1	2	2	— 1	—
	16	— 1	— 1	— 1	3	4	3	3	4	5	— 3	— 4	— 8	—
	17	2	2	3	2	1	— 1	— 1	0	— 2	— 1	— 1	— 2	—
	18	1	— 1	1	3	4	2	4	— 6	— 5	— 1	— 1	1	—
	19	2	4	3	3	2	0	— 1	— 1	3	1	1	— 3	—
	20	5	3	0	— 1	3	— 2	— 6	— 3	1	0	1	— 3	—
	21	— 2	0	— 4	— 3	— 4	0	4	8	4	4	1	0	—
	22	— 1	— 4	— 5	— 4	— 5	2	2	— 5	— 2	2	5	5	—
	23	0	1	2	1	0	— 2	— 4	— 4	— 3	3	7	— 1	—
	24	— 6	— 3	— 3	— 3	— 3	— 3	— 7	— 7	— 3	6	8	7	—
	25	— 2	— 3	— 5	— 5	— 6	— 6	— 6	— 6	— 4	3	11	13	—
	26	— 6	— 1	— 2	— 1	2	7	— 1	— 6	— 2	0	1	1	—
	27	1	0	— 1	0	— 2	— 7	— 10	— 9	— 3	0	2	6	—
	28	1	1	1	2	1	0	— 9	— 5	— 2	— 1	6	2	—
	29	— 2	2	1	2	0	— 7	— 18	— 16	— 15	— 4	5	15	—
	30	— 3	— 1	— 1	— 1	0	— 2	— 7	— 10	— 10	— 2	7	16	—
Hourly Amount.		65	53	66	65	55	94	163	184	137	78	116	162	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
SEPTEMBER.	1	1	3	6	— 1	— 5	— 2	— 3	— 2	1	4	4	3	61
	2	5	7	5	4	0	— 3	— 4	— 2	— 1	0	— 6	3	72
	3	— 9	2	11	6	— 1	7	0	— 2	2	1	1	1	96
	4	— 7	— 6	— 6	— 1	1	0	— 1	— 1	— 1	— 1	0	0	65
	5	2	4	0	2	3	— 1	— 2	— 2	— 4	— 3	0	2	55
	6	— 4	— 4	— 1	2	2	— 1	— 2	— 4	— 4	— 3	— 3	0	64
	7	— 3	— 7	— 4	0	6	— 2	— 1	— 3	0	— 2	0	0	91
	8	— 17	— 14	— 5	— 2	0	— 2	0	0	3	4	4	5	109
	9	— 22	— 18	— 6	— 3	— 2	— 4	0	1	3	3	4	1	144
	10	— 12	— 13	— 8	— 5	— 3	— 4	— 2	0	3	3	4	2	113
	11	4	5	4	— 7	— 3	9	5	1	3	0	— 1	0	75
	12	— 4	3	4	7	4	1	0	1	— 5	— 2	— 6	— 4	94
	13	— 5	— 3	— 3	5	6	9	1	0	— 1	0	— 1	— 1	51
	14	3	— 3	— 5	— 3	— 2	0	4	3	3	3	0	3	59
	15	— 9	— 4	— 2	— 5	1	4	4	8	5	2	2	2	73
	16	— 12	— 13	— 14	— 5	0	1	4	5	2	4	2	1	103
	17	2	8	2	— 6	— 4	— 2	— 1	— 3	— 1	1	0	0	48
	18	8	2	— 3	— 6	— 3	0	0	0	1	— 3	— 2	0	58
	19	— 2	— 2	— 4	— 3	— 2	0	0	— 1	1	1	4	5	49
	20	— 3	0	5	8	— 2	— 2	— 2	— 1	— 1	— 1	— 1	— 1	55
	21	— 4	— 4	4	8	8	0	2	3	— 7	— 3	2	— 4	83
	22	4	1	1	2	2	— 1	— 1	2	— 3	2	— 1	0	62
	23	— 6	— 5	— 4	4	3	3	4	5	4	— 3	0	— 4	73
	24	11	7	3	— 1	1	1	0	— 1	— 1	— 2	0	— 5	92
	25	15	8	7	2	3	— 1	1	— 1	— 4	— 1	— 9	— 6	128
	26	6	7	2	0	— 5	— 2	— 1	— 2	0	0	— 1	2	58
	27	9	9	6	3	0	— 1	0	— 2	— 1	— 1	— 1	2	76
	28	8	6	2	0	— 4	— 2	— 2	0	3	— 1	2	2	63
	29	22	14	3	0	2	— 1	— 1	— 2	— 1	— 3	— 2	— 1	139
	30	19	9	0	— 7	— 9	— 3	— 1	0	1	1	0	0	110
Hourly Amount.		238	191	130	108	87	69	49	58	70	58	63	60	2419

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	— 6	— 9	— 9	— 8	— 3	— 5	— 3	— 4	— 1	0	— 3	— 1	—
	2	— 9	— 8	— 5	— 7	— 9	— 9	— 7	— 3	1	6	3	3	—
	3	— 12	— 14	— 12	— 9	1	— 3	3	2	2	— 2	0	— 5	—
	4	— 2	— 3	— 1	1	0	4	4	1	0	— 4	3	— 6	—
	5	1	2	1	0	— 6	0	— 2	— 2	1	7	9	13	—
	6	5	— 2	4	— 8	— 9	— 6	— 5	— 1	— 1	0	2	3	—
	7	— 2	— 6	11	— 2	— 1	0	2	5	3	6	— 2	— 3	—
	8	1	0	— 2	— 5	— 3	— 3	1	2	5	4	1	— 4	—
	9	0	1	— 1	— 4	— 5	— 6	— 6	— 3	— 4	5	5	8	—
	10	— 1	— 1	— 3	— 5	— 5	— 3	1	4	4	0	1	— 1	—
	11	5	— 1	3	11	22	11	2	2	— 6	— 3	— 3	— 16	—
	12	8	9	9	20	28	32	8	— 13	— 23	— 28	— 14	0	—
	13	9	9	9	4	4	4	8	1	4	9	5	— 1	—
	14	3	1	12	2	3	— 1	— 4	2	— 3	2	6	7	—
	15	4	7	5	8	8	9	3	0	5	3	— 10	— 10	—
	16	4	5	1	— 3	8	5	5	1	6	5	1	— 13	—
	17	1	1	5	7	6	7	7	3	7	— 3	— 7	— 3	—
	18	— 1	— 2	— 4	6	1	— 2	1	5	8	5	7	1	—
	19	3	1	— 2	— 7	— 10	— 7	— 5	— 4	0	7	0	6	—
	20	4	4	— 3	6	— 5	4	— 2	— 3	— 14	— 2	0	3	—
	21	5	5	2	8	— 1	— 10	— 9	— 2	— 2	— 5	— 5	9	—
	22	— 13	10	— 3	— 4	— 8	— 10	— 3	5	2	3	— 2	3	—
	23	— 1	— 2	— 5	— 3	— 1	— 1	— 1	2	2	— 7	— 3	0	—
	24	— 5	— 3	— 1	— 1	0	2	4	5	2	— 1	1	1	—
	25	7	6	5	3	— 2	— 9	— 8	— 7	— 15	— 20	— 17	— 5	—
	26	— 21	— 17	— 10	— 1	1	7	7	6	8	2	— 2	1	—
	27	1	0	1	— 3	— 1	0	— 1	0	4	7	6	13	—
	28	— 3	— 5	— 8	— 7	— 6	— 5	3	1	0	8	8	1	—
	29	7	— 1	— 3	0	— 3	— 3	— 5	0	3	0	9	2	—
	30	8	3	3	0	— 2	0	1	1	3	3	4	— 2	—
Hourly Amount.		152	138	143	153	162	168	121	90	139	157	139	144	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
SEPTEMBER.	1	9	16	15	9	7	3	6	7	5	— 3	— 7	— 7	146
	2	9	13	13	4	6	9	12	17	5	— 1	0	— 14	173
	3	3	— 20	— 18	— 1	12	2	3	5	5	5	0	9	148
	4	— 3	3	— 3	— 6	— 5	3	3	0	— 3	2	1	3	64
	5	1	— 17	— 5	— 2	— 1	3	4	2	— 2	1	2	4	88
	6	4	7	2	4	5	6	6	5	3	1	— 2	— 9	100
	7	— 10	— 5	— 3	— 17	— 15	— 4	2	4	3	4	3	7	120
	8	0	3	— 1	0	0	3	5	4	2	2	0	— 1	52
	9	0	3	2	1	2	4	0	— 2	— 3	— 2	— 2	— 3	72
	10	0	2	— 1	2	1	1	2	2	0	2	2	3	47
	11	— 3	— 8	— 20	9	6	— 16	— 11	— 3	— 9	2	— 3	0	175
	12	3	— 4	— 15	— 4	— 10	— 17	— 34	— 13	— 7	3	20	14	336
	13	— 3	— 1	— 2	— 12	— 9	— 12	— 3	0	1	2	5	10	127
	14	— 7	— 5	— 2	1	2	2	— 1	— 5	— 7	— 11	— 4	1	94
	15	— 2	— 9	— 9	— 4	— 1	5	3	— 10	— 12	— 5	4	4	140
	16	— 5	1	9	0	— 19	— 18	— 7	— 4	14	— 5	5	12	156
	17	— 2	— 9	— 6	— 7	— 4	1	— 4	2	4	5	1	— 9	111
	18	— 19	— 10	— 8	2	6	— 3	1	6	0	5	— 2	— 3	108
	19	10	8	5	0	— 5	— 5	0	0	2	7	6	8	108
	20	7	10	0	— 16	— 3	1	2	0	— 6	— 5	0	1	101
	21	7	10	10	1	— 1	— 1	— 3	— 6	19	7	— 11	— 6	145
	22	2	— 1	2	5	3	3	3	— 2	4	1	— 3	— 4	99
	23	4	2	2	2	1	1	0	— 6	— 7	5	— 1	— 4	63
	24	1	2	0	0	0	4	3	6	3	5	5	4	59
	25	9	24	30	33	29	18	— 2	— 21	— 24	— 33	— 18	— 20	365
	26	— 6	— 3	— 1	0	5	7	4	3	4	3	1	1	121
	27	— 6	— 4	— 1	— 1	7	4	3	6	1	— 5	— 6	— 3	84
	28	— 3	— 2	— 2	— 2	3	4	4	1	6	8	9	0	99
	29	— 5	— 5	— 5	— 12	— 30	— 7	— 1	2	— 2	3	2	7	117
	30	0	3	5	7	5	1	3	1	— 4	— 2	— 6	— 7	74
Hourly Amount.		143	210	197	164	203	168	135	145	167	145	131	178	3692

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	5	5	4	5	3	4	1	— 4	— 5	— 2	— 2	0	—
	2	3	2	2	3	4	2	3	14	8	— 2	— 3	— 14	—
	3	8	7	4	1	— 3	— 3	— 4	— 2	— 6	0	2	7	—
	4	3	1	— 2	— 4	— 5	— 8	— 8	— 2	2	7	1	8	—
	5	— 1	0	0	1	3	— 3	— 3	— 1	— 3	— 4	— 4	— 4	—
	6	0	4	3	8	8	8	6	— 4	— 3	— 3	— 7	0	—
	7	1	3	— 5	1	1	— 4	— 3	— 2	— 2	— 3	— 6	— 1	—
	8	0	2	4	6	6	3	2	— 8	— 5	— 3	1	4	—
	9	— 5	— 4	— 4	— 2	— 1	— 4	2	15	22	19	11	7	—
	10	1	1	4	4	2	1	— 1	0	— 2	0	5	— 3	—
	11	— 1	— 1	— 3	— 5	— 8	— 1	2	3	3	2	— 1	2	—
	12	— 8	— 8	— 8	— 11	— 13	— 14	— 8	2	9	16	12	1	—
	13	— 6	— 6	— 5	— 4	— 3	— 4	— 5	— 2	0	0	4	7	—
	14	— 4	— 2	— 8	— 3	0	— 2	1	6	7	— 2	— 6	— 8	—
	15	— 5	— 5	— 2	— 2	— 1	1	7	9	8	8	7	4	—
	16	— 2	— 2	2	— 1	— 6	— 4	— 1	6	5	8	4	5	—
	17	1	1	— 2	— 3	— 4	— 3	— 2	0	— 3	— 2	2	2	—
	18	0	— 3	— 3	— 8	— 5	— 6	— 10	— 9	— 2	1	— 1	7	—
	19	— 2	— 1	— 1	0	— 2	— 2	— 4	— 6	— 7	— 8	— 2	0	—
	20	— 4	— 2	1	— 3	— 1	— 5	— 3	13	13	10	7	2	—
	21	— 2	— 3	— 2	— 5	0	0	0	2	0	3	6	— 1	—
	22	8	— 4	5	5	8	6	1	— 6	— 9	— 8	— 8	— 7	—
	23	3	3	2	0	— 2	— 4	— 6	— 4	— 8	— 5	— 1	6	—
	24	8	6	7	8	7	9	7	— 18	— 16	— 13	— 3	— 1	—
	25	— 5	— 3	4	2	7	12	5	— 5	— 8	— 7	— 1	1	—
	26	1	0	— 1	— 3	— 4	— 3	— 2	— 5	— 7	— 3	7	9	—
	27	1	2	2	4	2	4	— 1	— 6	— 10	— 3	3	— 3	—
	28	— 1	2	2	4	4	5	6	4	6	— 1	— 4	— 6	—
	29	1	7	7	7	10	12	13	6	3	— 9	— 14	— 15	—
	30	— 7	— 6	— 7	— 5	— 4	— 1	6	12	11	3	— 1	— 3	—
Hourly Amount.		97	96	106	118	127	138	123	176	193	155	136	138	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
SEPTEMBER.	1	— 4	— 3	— 5	1	0	0	— 2	— 3	— 3	— 2	0	7	70
	2	— 8	— 9	— 6	— 1	2	— 3	— 5	— 5	— 4	— 2	1	12	118
	3	— 8	— 2	— 3	— 7	— 8	— 1	1	0	3	3	5	3	91
	4	8	5	6	3	5	2	0	— 1	0	— 1	— 2	0	84
	5	0	7	0	— 1	0	— 1	— 3	— 3	0	— 2	— 1	2	47
	6	0	— 4	— 6	0	— 2	— 4	— 4	— 3	— 5	— 2	— 1	6	91
	7	7	6	4	2	7	5	1	1	1	0	0	0	66
	8	— 3	— 8	— 9	— 6	— 3	— 2	— 1	— 1	— 3	— 4	— 5	— 3	92
	9	7	— 6	— 14	— 9	— 5	— 3	— 1	0	1	0	0	2	144
	10	— 6	— 5	— 3	— 1	1	3	2	2	1	0	— 2	0	50
	11	1	6	12	0	— 1	7	6	3	4	— 2	0	— 2	76
	12	0	— 3	9	5	4	9	16	2	— 1	— 6	— 11	— 7	183
	13	6	— 3	— 3	4	4	6	2	1	1	1	— 1	— 1	79
	14	4	4	3	— 2	— 2	0	3	4	4	6	1	— 2	84
	15	— 5	— 8	— 8	— 8	— 6	— 4	— 3	5	9	4	— 1	— 1	121
	16	— 5	— 12	— 9	— 6	6	7	— 2	— 2	— 4	6	1	— 2	108
	17	— 3	3	9	7	2	— 1	2	0	— 1	— 1	0	4	58
	18	22	19	15	2	— 4	— 2	— 3	— 7	— 3	— 4	0	1	137
	19	0	4	2	4	3	4	1	1	— 2	— 2	— 2	— 1	61
	20	— 4	— 7	— 8	1	— 4	— 3	— 1	0	4	3	0	1	100
	21	1	2	— 1	— 1	4	6	3	4	— 5	1	9	9	70
	22	4	6	— 3	— 5	— 4	— 2	— 1	0	— 3	0	3	7	113
	23	5	2	1	— 2	— 3	— 1	— 1	1	3	2	3	8	76
	24	— 1	6	7	0	— 1	— 5	— 5	— 8	— 4	— 7	— 5	1	153
	25	— 1	1	— 1	— 8	— 7	— 3	6	13	14	14	1	5	134
	26	5	5	3	5	0	— 3	0	1	2	2	1	1	71
	27	4	4	4	7	2	0	0	— 1	0	1	2	1	67
	28	— 3	— 3	1	2	— 4	— 5	— 4	— 4	— 7	— 6	— 6	4	94
	29	— 13	— 3	0	6	13	0	— 1	— 3	— 1	— 5	— 5	— 3	157
	30	— 3	0	3	3	0	— 4	— 3	— 3	0	— 1	2	6	94
Hourly Amount.		141	156	158	109	107	96	83	82	93	90	71	100	2889

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	1	2	2	0	— 1	0	0	— 4	— 10	— 3	10	17	—
	2	3	1	2	1	2	3	7	— 1	— 9	— 2	— 2	— 2	—
	3	4	3	4	0	1	0	2	— 1	— 5	— 3	— 4	— 10	—
	4	3	4	3	4	6	4	6	2	— 5	— 8	— 12	— 8	—
	5	3	2	2	1	1	7	7	4	— 3	— 6	— 10	— 9	—
	6	4	0	0	3	3	6	12	4	— 4	— 3	— 2	— 6	—
	7	3	2	0	0	— 1	— 2	— 4	— 5	— 5	— 1	1	2	—
	8	4	3	0	0	— 1	3	3	2	4	3	— 7	— 11	—
	9	— 7	— 3	— 2	1	— 1	— 1	— 2	— 4	1	6	3	7	—
	10	— 2	— 3	— 3	— 5	— 3	— 7	— 6	0	2	5	4	2	—
	11	— 4	— 3	— 9	— 8	— 9	— 2	— 5	— 3	4	7	12	14	—
	12	0	4	7	5	5	3	0	— 4	— 2	0	1	3	—
	13	— 5	— 5	— 4	— 2	— 2	— 3	— 5	0	3	11	15	16	—
	14	3	2	2	4	6	1	— 7	— 6	— 8	— 1	8	3	—
	15	2	4	4	0	1	— 1	— 6	— 4	— 4	— 8	— 2	— 1	—
	16	7	1	— 1	— 3	0	— 10	— 5	— 3	— 3	— 3	2	6	—
	17	0	0	0	2	1	— 2	— 2	1	1	— 1	— 2	— 3	—
	18	3	0	— 4	— 2	— 5	— 1	7	— 5	4	8	— 2	— 6	—
	19	— 3	— 5	2	2	— 1	— 1	1	3	— 1	— 2	1	0	—
	20	— 4	— 10	— 3	— 1	— 1	— 1	— 1	— 1	4	5	2	4	—
	21	— 2	1	— 3	— 3	— 4	— 3	— 2	4	5	4	4	6	—
	22	— 1	2	3	2	1	— 2	— 3	— 2	0	1	— 1	1	—
	23	— 1	— 1	— 2	— 1	— 2	— 1	— 2	4	4	0	— 1	— 4	—
	24	— 2	— 2	— 2	— 3	— 1	— 1	2	1	4	5	1	— 1	—
	25	— 8	— 3	— 2	— 1	1	— 3	— 5	— 1	0	— 2	— 2	6	—
	26	0	1	2	2	0	1	2	2	— 1	— 8	— 7	6	—
	27	— 3	0	1	— 3	— 3	5	— 2	7	10	5	2	— 7	—
	28	0	2	6	5	6	8	7	2	2	— 8	— 8	— 8	—
	29	3	2	5	5	3	3	2	8	4	— 3	— 4	— 23	—
	30	0	3	— 3	— 2	— 3	— 3	1	0	— 3	1	— 2	4	—
	31	— 1	0	— 2	— 5	— 4	— 1	— 4	— 1	5	2	5	4	—
Hourly Amount.		86	74	85	76	79	89	120	89	120	125	139	200	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	11	3	1	— 2	— 1	— 5	— 4	— 4	— 3	— 4	— 2	0	90
	2	0	2	1	— 3	— 7	— 3	0	— 1	2	3	4	4	65
	3	2	7	10	6	— 4	— 8	— 4	— 5	— 4	— 2	4	4	97
	4	— 6	— 3	2	1	— 1	— 1	— 2	— 1	1	0	3	2	88
	5	— 10	— 6	0	5	0	1	1	1	— 1	2	2	— 1	86
	6	— 11	— 9	— 4	— 1	2	0	1	4	5	6	4	4	98
	7	2	1	3	3	— 2	— 1	— 1	— 2	2	1	3	— 2	49
	8	— 11	— 4	0	2	4	3	4	10	3	8	— 7	0	97
	9	0	— 2	— 2	— 7	1	4	2	2	4	5	5	— 1	73
	10	0	— 3	— 5	8	6	4	5	0	— 2	0	— 1	0	76
	11	10	2	— 7	— 9	— 7	— 3	— 2	— 2	— 1	— 2	— 3	2	130
	12	— 3	— 1	— 9	— 5	— 3	2	0	2	3	— 1	— 2	— 1	66
	13	6	9	— 9	— 10	— 8	— 2	0	1	2	1	0	0	119
	14	— 3	— 7	— 10	— 5	— 2	0	3	2	6	7	6	3	105
	15	— 5	— 2	— 9	— 4	6	10	3	— 1	— 1	6	1	7	92
	16	3	1	— 1	— 3	— 3	0	— 3	2	— 1	0	— 3	1	65
	17	— 4	2	5	5	— 1	0	— 1	0	2	— 3	— 1	2	41
	18	1	5	8	7	20	0	— 3	— 4	— 5	— 12	— 9	— 3	124
	19	— 5	— 3	4	9	7	— 1	2	— 1	— 1	— 2	— 1	— 3	61
	20	4	0	3	3	1	— 3	— 5	— 3	0	— 4	— 3	— 2	68
	21	7	11	13	3	— 6	— 9	— 8	— 5	— 7	— 3	— 5	0	118
	22	1	0	4	3	— 1	— 3	1	0	— 5	— 3	— 2	— 2	44
	23	— 5	— 1	3	4	2	11	12	— 1	— 1	— 1	— 2	— 2	68
	24	— 5	0	7	7	7	5	0	0	— 1	— 3	— 1	— 8	69
	25	4	— 2	— 3	— 4	— 5	— 1	1	4	3	3	4	1	69
	26	14	3	— 3	— 14	— 11	— 5	0	2	— 4	— 4	— 3	— 2	97
	27	4	1	— 3	— 2	8	6	— 1	— 5	— 6	— 6	— 1	— 4	95
	28	— 5	— 5	— 2	0	2	0	1	0	1	0	0	1	79
	29	— 3	— 5	— 2	— 3	— 4	0	2	3	3	3	3	3	99
	30	4	2	3	3	— 1	0	0	0	— 1	— 2	1	— 1	43
	31	1	— 1	3	4	— 1	— 1	— 1	0	2	— 2	2	— 1	53
Hourly Amount.		150	103	139	145	134	92	73	68	83	99	88	67	2523

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	—8	—10	—10	—11	—10	—8	—6	—2	1	0	3	4	—
	2	—1	3	5	5	—1	—2	—2	—4	3	—7	2	1	—
	3	—6	—8	—9	—9	—6	—6	—4	—1	4	—2	—2	8	—
	4	—1	—5	—6	—9	—8	—9	—6	—3	5	3	12	6	—
	5	0	—1	—3	—3	—4	—1	—1	3	7	7	4	4	—
	6	2	10	13	14	17	7	19	2	—10	—15	—24	—23	—
	7	5	—2	—3	—2	—2	—2	0	—1	1	5	2	9	—
	8	1	—2	—3	0	—2	—8	—11	—9	—9	—9	—3	5	—
	9	—19	—19	—10	—5	3	9	15	19	10	—6	—10	—18	—
	10	13	7	5	6	4	8	7	2	—1	—1	0	0	—
	11	0	13	7	8	7	13	11	4	2	—4	1	—3	—
	12	10	1	—4	—1	—1	—2	6	—2	3	6	—1	—7	—
	13	—1	—1	0	2	4	9	10	4	4	6	1	—8	—
	14	—1	—7	—8	—4	—4	—4	1	7	13	6	—4	—6	—
	15	9	—3	—2	—3	—2	4	4	10	11	18	5	0	—
	16	—3	4	2	0	1	4	—1	1	7	13	8	—3	—
	17	—3	0	1	—1	—3	—3	—8	—6	—2	—1	0	—1	—
	18	1	1	17	7	17	11	11	28	—4	—12	—11	3	—
	19	0	—1	5	15	14	1	—6	—5	—3	—2	—8	—2	—
	20	—4	15	1	—4	0	4	—1	—1	2	—1	2	5	—
	21	2	3	6	0	—6	—7	—10	—9	—4	—2	4	3	—
	22	0	—3	—9	—4	—3	—6	—6	—5	0	1	4	6	—
	23	1	1	—5	—4	—4	—4	—6	—5	1	5	1	0	—
	24	7	5	6	4	1	0	—2	—2	—2	0	—2	—2	—
	25	2	13	16	15	8	11	5	—7	—8	—6	3	—4	—
	26	1	—5	—6	—7	—9	—10	—13	—14	—9	—5	—1	4	—
	27	15	8	2	0	0	—2	—1	—12	—16	—16	—9	—4	—
	28	—4	—4	13	4	2	3	6	9	3	4	3	4	—
	29	—3	—2	—3	—1	—6	—4	—2	3	2	4	5	3	—
	30	—8	—1	—5	—5	—4	—4	—7	—7	—1	0	4	9	—
	31	3	—5	—10	—7	—2	1	—4	—5	—4	4	1	4	—
Hourly Amount.		134	163	195	160	155	167	192	192	152	171	140	159	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	5	10	10	6	4	3	3	0	4	9	7	6	140
	2	4	—1	—2	0	7	4	5	—1	—1	—1	—7	—4	73
	3	5	10	8	2	—7	4	7	4	16	3	—10	1	142
	4	2	2	—3	—3	2	4	2	1	2	0	—2	2	98
	5	—1	—10	0	6	—5	2	5	1	5	7	2	0	82
	6	—16	—14	—14	—11	—6	—4	—2	—1	—1	3	3	—1	232
	7	10	7	4	3	1	2	0	—1	1	—1	—1	—3	68
	8	12	16	13	17	28	25	15	—3	8	—14	1	—21	235
	9	—26	—31	—20	—18	—12	—2	3	8	8	4	3	9	287
	10	—1	14	24	—3	—9	—30	—35	—8	3	—8	—4	—7	200
	11	—13	—21	—7	—6	4	3	5	9	3	—5	17	0	166
	12	—14	—31	—15	—2	4	2	5	40	—1	—6	—2	5	171
	13	—9	—6	—2	3	5	1	—1	—4	—14	1	—6	2	104
	14	—9	—13	—13	—4	6	8	11	11	0	—2	—3	—1	146
	15	—6	—4	7	1	—16	—30	—8	—2	0	—17	13	0	175
	16	—6	—4	—7	2	2	—3	5	—1	3	—2	9	0	91
	17	6	4	2	0	—2	—2	—2	—6	—3	5	2	—2	65
	18	—8	—11	—12	—3	—40	—8	—8	—5	—3	27	10	2	260
	19	8	9	2	—19	—21	—7	—12	1	8	15	—5	2	171
	20	8	6	1	—3	1	1	1	—1	—5	—3	3	2	75
	21	9	2	—3	1	4	4	1	—1	3	—4	3	—2	93
	22	6	5	1	—1	5	5	—1	—6	—2	1	1	0	81
	23	7	7	4	1	2	3	4	4	—3	—2	—2	6	82
	24	2	9	—6	0	4	—4	—6	—35	—24	—29	—17	—2	171
	25	—2	3	4	13	17	13	10	6	5	0	—5	—4	180
	26	10	11	10	7	10	12	3	—13	—12	2	3	10	187
	27	9	23	19	12	—6	—24	—29	—8	2	2	—5	—2	226
	28	—10	—6	—4	—2	1	0	2	0	—2	—1	—5	—2	94
	29	0	3	4	3	5	4	3	2	5	2	—3	—5	77
	30	8	8	0	1	7	9	9	3	—2	1	—4	—1	108
	31	5	6	—1	—3	3	—1	1	—1	—5	4	—4	4	88
Hourly Amount.		237	307	222	156	246	224	204	187	154	181	162	108	4368

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	5	6	8	4	5	2	4	6	— 6	— 10	— 10	— 6	—
	2	— 4	— 5	— 7	— 7	— 2	0	2	12	12	15	9	4	—
	3	5	6	6	5	5	3	— 2	— 7	— 9	— 6	— 3	2	—
	4	1	3	3	4	4	2	— 1	— 3	— 5	1	— 1	— 7	—
	5	— 2	— 2	— 2	— 2	— 4	— 8	— 4	15	12	8	8	1	—
	6	2	0	— 3	— 3	— 7	1	1	16	23	19	14	5	—
	7	3	6	7	5	6	5	5	4	— 1	— 1	0	— 3	—
	8	— 3	— 1	0	— 1	0	— 2	5	4	3	8	8	5	—
	9	11	10	1	— 3	— 4	— 4	— 5	— 14	— 16	— 3	— 3	6	—
	10	— 8	— 4	— 2	— 4	— 5	— 7	— 11	— 7	— 5	0	1	3	—
	11	0	— 7	— 2	0	2	— 1	0	0	— 4	— 4	— 10	— 6	—
	12	— 3	0	2	1	3	5	2	0	0	— 4	— 5	— 2	—
	13	4	5	7	2	1	— 1	— 7	— 14	— 12	— 15	— 8	10	—
	14	— 3	— 1	— 3	— 1	— 2	0	— 1	— 7	— 14	— 10	— 3	3	—
	15	— 5	0	0	— 1	0	— 1	— 3	— 4	— 5	— 7	— 4	— 1	—
	16	2	— 1	1	2	3	5	7	— 3	— 4	— 5	— 8	— 3	—
	17	3	1	2	3	3	0	— 2	0	3	4	1	2	—
	18	3	2	— 6	— 1	— 8	— 6	— 4	— 10	3	10	11	3	—
	19	2	1	— 2	— 11	— 8	0	0	2	0	— 1	— 2	2	—
	20	4	— 4	— 2	2	0	— 2	— 1	2	1	4	— 1	— 4	—
	21	1	— 1	— 2	0	4	3	6	13	10	5	— 2	— 2	—
	22	— 1	4	6	3	3	3	1	— 2	0	2	1	— 4	—
	23	— 3	— 3	1	0	— 2	— 4	— 2	— 1	1	3	6	8	—
	24	— 2	0	1	3	4	4	1	— 7	— 6	— 3	1	1	—
	25	— 5	— 11	— 11	— 7	0	2	3	5	3	— 1	— 10	— 7	—
	26	0	2	1	1	2	2	5	9	17	— 15	3	— 7	—
	27	— 8	— 5	1	3	4	1	2	— 4	— 2	6	5	1	—
	28	— 5	— 5	— 12	— 7	— 4	— 3	6	9	5	5	2	— 1	—
	29	0	0	0	— 3	0	— 2	— 1	— 1	5	6	— 1	— 6	—
	30	3	0	2	2	0	1	0	— 4	— 4	— 4	— 2	— 4	—
	31	— 1	3	6	4	1	— 4	— 2	— 8	— 5	— 8	— 5	1	
Hourly Amount.		102	99	109	95	96	84	96	193	196	193	148	120	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	— 2	— 2	0	— 1	— 2	0	0	0	— 1	— 4	— 4	— 4	92
	2	— 3	2	2	— 4	— 3	— 4	— 5	— 3	— 1	0	3	3	112
	3	2	— 3	0	5	8	— 2	— 4	— 4	— 8	— 1	3	— 1	100
	4	— 6	— 9	— 2	2	— 3	0	1	— 1	— 1	— 2	1	— 3	66
	5	— 4	— 2	— 10	— 11	— 2	— 2	— 4	— 1	0	— 2	2	4	112
	6	0	— 6	— 9	— 10	— 9	— 6	— 6	— 6	— 2	— 4	0	1	153
	7	— 5	— 6	0	— 3	— 4	— 2	— 3	— 2	— 2	— 3	— 4	— 2	82
	8	— 7	— 10	— 8	— 10	— 12	— 7	— 2	5	0	10	5	14	130
	9	15	23	18	10	1	0	— 3	— 5	— 4	— 4	— 5	— 4	172
	10	4	2	— 2	11	14	19	19	2	— 4	1	1	1	137
	11	— 3	6	3	— 1	— 2	— 3	— 1	— 3	0	5	— 6	1	70
	12	— 1	2	3	0	— 3	— 2	3	4	7	— 1	3	1	57
	13	14	24	18	9	1	— 2	— 4	0	— 1	0	— 4	— 8	171
	14	8	11	10	3	— 1	— 5	— 4	— 4	1	1	0	— 1	97
	15	1	1	3	2	11	16	5	— 2	— 1	9	— 5	1	88
	16	— 2	— 3	— 3	— 5	— 4	— 2	— 4	0	— 2	2	— 1	2	74
	17	— 4	— 9	— 9	— 6	— 2	2	0	2	2	— 1	1	3	65
	18	2	— 3	— 2	— 2	17	2	2	3	1	— 7	2	5	115
	19	— 3	— 3	2	11	10	2	2	— 4	— 6	— 7	4	0	85
	20	— 3	— 6	— 8	— 5	— 4	— 1	0	0	2	— 1	— 1	— 1	59
	21	— 3	— 1	— 7	— 3	2	2	— 1	0	— 1	1	— 1	0	71
	22	— 8	— 9	— 5	1	— 2	— 1	1	2	1	— 3	— 3	— 3	69
	23	2	— 6	— 7	0	3	3	0	— 4	2	1	0	— 2	64
	24	3	5	10	7	1	3	3	14	10	8	1	— 4	102
	25	— 3	— 4	— 3	— 7	— 11	— 10	— 5	— 2	— 1	1	3	0	115
	26	— 2	7	8	4	— 5	— 7	— 1	5	8	— 3	— 4	— 6	124
	27	4	— 4	— 7	— 7	2	14	17	2	— 4	— 3	— 2	— 3	111
	28	3	1	— 4	— 6	— 6	0	0	1	2	1	3	1	92
	29	— 8	— 3	— 2	3	3	— 1	0	— 1	0	2	5	5	58
	30	— 3	— 1	5	7	1	— 4	— 5	— 1	2	2	4	1	62
	31	6	7	6	6	1	0	— 2	0	1	1	4	0	82
Hourly Amount.		134	181	176	162	150	124	107	83	78	91	85	85	2987

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	1	5	4	3	11	8	6	— 1	— 7	— 12	— 16	— 13	—
	2	— 3	— 4	0	7	5	9	3	1	— 3	— 13	— 12	— 9	—
	3	1	2	1	1	2	6	3	2	— 2	— 7	— 13	— 11	—
	4	0	— 1	0	1	2	8	9	2	— 2	— 9	— 14	— 11	—
	5	— 2	0	— 2	2	3	12	9	1	— 4	— 8	— 4	— 1	—
	6	1	0	— 1	— 1	1	4	10	9	2	— 7	— 15	— 14	—
	7	— 3	— 4	— 3	— 2	— 2	— 4	4	5	6	3	0	1	—
	8	— 8	— 8	— 12	— 13	— 14	— 12	5	22	23	30	22	11	—
	9	— 3	— 3	5	2	— 2	— 7	2	1	8	7	4	4	—
	10	1	— 2	— 3	— 4	— 1	— 7	2	3	3	1	6	9	—
	11	0	0	0	0	— 1	1	4	6	0	— 3	1	1	—
	12	— 2	— 3	— 3	— 4	— 3	— 4	— 6	— 3	4	10	13	10	—
	13	0	— 1	0	1	3	7	5	— 2	— 4	— 5	— 6	— 1	—
	14	— 9	— 5	— 6	— 5	— 8	— 18	— 5	7	16	22	16	11	—
	15	— 1	— 2	— 1	2	— 1	— 3	— 2	0	2	6	9	3	—
	16	0	1	4	1	2	0	— 1	1	— 5	— 2	10	14	—
	17	4	4	5	5	3	3	— 1	— 3	— 10	— 10	— 7	— 6	—
	18	2	1	3	1	0	2	— 2	0	0	— 9	— 7	— 6	—
	19	1	— 2	— 3	— 3	— 1	— 3	— 5	0	8	7	8	8	—
	20	4	4	4	5	3	— 3	— 4	— 2	— 3	— 3	— 7	— 9	—
	21	4	2	0	0	0	— 3	— 2	— 1	— 1	0	— 7	— 6	—
	22	— 3	— 2	— 3	— 3	— 1	0	4	1	0	4	7	3	—
	23	0	2	1	0	— 2	2	1	— 9	— 7	— 4	— 3	— 1	—
	24	0	— 1	— 2	— 3	2	15	0	1	— 2	— 3	2	3	—
	25	2	0	0	0	1	— 10	— 12	— 5	5	13	11	8	—
	26	3	3	3	4	3	6	— 2	— 6	— 7	— 5	— 5	— 5	—
	27	0	8	6	5	4	5	— 1	— 6	— 9	— 4	— 4	— 1	—
	28	3	0	— 2	0	— 3	— 10	— 2	2	2	7	8	6	—
	29	3	3	3	3	1	— 1	— 4	— 6	— 4	— 5	— 4	— 4	—
	30	3	2	2	— 1	— 2	— 3	— 12	— 11	— 3	0	8	7	—
Hourly Amount.		67	75	82	82	87	176	128	119	152	219	249	197	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
NOVEMBER.	1	— 3	2	2	— 3	2	3	2	4	2	0	0	0	110
	2	— 5	0	— 3	0	1	4	4	4	1	6	1	2	100
	3	— 7	— 2	3	4	3	2	4	3	3	2	— 1	— 1	86
	4	— 7	0	3	5	4	0	1	1	0	— 1	— 2	— 3	86
	5	1	3	4	0	1	0	1	1	0	— 2	0	— 1	62
	6	0	8	5	4	0	2	1	1	4	2	— 2	— 2	96
	7	— 4	— 3	0	1	— 2	0	1	3	6	3	0	— 4	64
	8	5	— 4	— 1	— 7	1	— 15	— 7	— 12	— 8	— 2	— 4	— 3	249
	9	4	— 1	— 1	— 5	— 2	— 1	4	3	— 3	1	1	0	74
	10	11	3	— 4	— 7	— 7	— 1	— 3	— 3	— 2	— 3	— 1	3	90
	11	1	5	4	5	— 1	2	0	— 6	— 2	— 2	— 2	— 1	48
	12	1	— 4	— 2	— 2	— 3	1	— 1	— 1	0	0	1	1	82
	13	2	3	3	— 5	— 2	5	5	7	7	1	0	— 6	81
	14	3	— 1	— 3	— 2	— 5	— 3	— 4	— 4	— 4	— 2	— 1	— 4	164
	15	5	7	1	— 2	— 3	— 5	— 4	— 12	— 10	— 3	0	— 2	86
	16	17	7	— 2	— 3	— 9	— 5	— 4	— 6	— 9	— 2	1	3	109
	17	— 6	— 2	3	9	8	7	3	2	3	1	0	2	107
	18	— 4	— 5	— 2	7	2	0	1	— 1	— 2	— 6	— 3	0	66
	19	8	4	0	— 3	— 1	— 4	— 4	— 3	0	1	0	4	81
	20	— 15	— 7	— 3	2	6	3	4	2	4	4	4	4	109
	21	— 6	— 1	6	5	4	5	1	2	2	1	— 4	— 4	67
	22	2	0	— 1	3	0	0	— 2	1	2	— 3	1	— 6	52
	23	0	4	3	1	4	— 2	— 3	— 2	0	— 1	0	— 1	53
	24	0	— 1	— 3	— 5	— 3	— 1	0	2	2	2	2	1	56
	25	1	— 2	— 4	— 2	0	— 3	— 4	— 2	— 1	0	1	1	88
	26	— 5	— 2	0	5	5	0	1	2	— 2	0	0	— 1	75
	27	— 5	— 4	— 4	— 1	2	3	0	3	1	2	2	2	82
	28	2	— 1	— 2	— 2	— 1	— 2	— 1	3	0	2	1	2	64
	29	— 3	— 3	— 3	2	5	3	3	4	4	3	2	4	80
	30	0	— 4	— 4	— 2	— 5	1	1	2	1	2	2	5	83
Hourly Amount.		133	93	79	104	92	83	74	102	85	60	39	73	2650

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	4	3	1	0	0	5	0	— 3	1	7	— 5	3	—
	2	4	6	0	— 1	9	8	9	2	4	2	— 9	— 14	—
	3	1	1	— 1	— 3	— 2	— 5	— 1	— 1	— 3	— 1	1	2	—
	4	— 6	— 5	— 2	— 3	— 3	— 3	— 1	4	2	4	3	3	—
	5	3	1	5	0	— 4	4	— 4	— 6	— 3	— 1	2	0	—
	6	— 3	— 2	— 3	— 4	— 4	— 6	— 8	— 9	— 6	— 1	0	5	—
	7	1	6	— 7	— 7	— 11	— 6	2	— 1	2	3	0	— 1	—
	8	19	10	19	12	37	34	23	0	— 12	— 27	— 39	— 35	—
	9	13	14	15	9	3	— 2	— 7	— 2	— 2	— 3	4	4	—
	10	— 1	— 2	— 3	7	2	2	2	11	2	— 11	— 1	3	—
	11	3	1	— 2	— 2	— 3	— 5	— 1	— 1	— 1	1	3	5	—
	12	— 2	— 1	0	— 1	— 2	— 1	— 2	3	— 2	4	3	— 1	—
	13	0	1	0	— 1	0	— 2	— 2	— 5	— 7	— 13	9	15	—
	14	0	4	3	10	6	11	0	— 4	— 1	— 1	5	— 2	—
	15	5	— 6	— 7	9	4	— 2	— 3	— 2	— 3	— 3	— 3	1	—
	16	— 6	— 4	— 3	3	3	— 7	— 9	— 6	1	11	5	2	—
	17	— 4	— 1	— 1	— 3	1	0	4	3	7	2	— 2	— 2	—
	18	3	— 3	5	4	— 4	9	4	0	— 3	— 4	— 1	9	—
	19	2	0	— 1	0	— 3	— 6	— 1	— 3	— 5	3	7	5	—
	20	— 3	— 3	— 4	— 5	— 5	— 3	1	0	1	— 2	— 4	— 3	—
	21	— 2	— 3	— 2	0	— 1	2	3	1	— 1	— 7	5	— 5	—
	22	— 4	— 1	— 4	— 4	— 3	— 4	— 4	— 2	4	9	2	2	—
	23	— 4	— 3	2	1	5	3	0	6	6	7	6	0	—
	24	— 4	1	2	9	— 9	0	5	4	0	— 2	— 1	2	—
	25	— 6	— 8	— 7	— 5	— 3	— 5	— 5	1	0	4	7	5	—
	26	— 3	4	1	— 9	— 7	— 10	— 6	— 3	2	— 2	— 2	7	—
	27	— 2	2	8	— 1	— 3	— 3	— 3	— 1	0	1	0	— 6	—
	28	— 3	— 3	0	1	— 1	— 7	— 5	— 3	4	0	6	2	—
	29	1	— 5	— 7	— 10	— 6	— 11	— 6	— 1	— 1	2	7	4	—
	30	— 4	— 1	— 4	— 3	7	4	13	16	12	4	— 2	— 7	—
Hourly Amount.		116	105	119	127	151	170	134	104	98	152	144	155	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
NOVEMBER.	1	4	— 1	— 13	1	— 4	1	— 4	1	4	1	0	0	66
	2	— 15	— 19	— 6	— 2	— 5	— 3	— 4	0	1	1	4	0	138
	3	8	9	9	7	1	2	1	1	— 1	— 1	— 1	— 4	67
	4	4	1	0	— 2	— 2	2	5	7	— 2	7	8	6	85
	5	— 1	— 4	— 4	— 1	— 1	— 3	2	— 2	— 2	— 3	— 2	— 3	61
	6	2	2	5	8	13	9	9	4	0	0	1	— 1	105
	7	1	9	8	5	9	10	7	4	1	0	7	9	117
	8	— 34	— 49	— 48	— 40	— 18	— 18	1	— 11	17	3	20	15	541
	9	3	3	7	12	13	13	2	— 6	— 1	— 20	— 14	— 4	176
	10	3	0	— 1	— 3	— 4	— 4	— 2	— 3	5	8	3	— 6	89
	11	9	6	5	0	— 2	— 3	— 8	6	— 2	1	1	— 2	73
	12	— 2	— 1	0	2	0	2	0	— 3	— 7	— 2	4	0	45
	13	13	14	— 5	— 5	6	3	6	— 8	— 23	— 12	— 13	12	175
	14	— 8	— 5	0	— 2	0	— 2	4	3	— 2	1	0	0	74
	15	2	2	0	1	4	— 14	— 17	7	14	0	— 3	11	123
	16	1	0	1	— 5	— 9	— 2	4	— 1	15	4	1	— 3	106
	17	— 2	— 3	— 3	— 5	— 9	— 8	— 1	5	2	1	0	— 6	75
	18	4	5	7	— 5	— 6	— 5	2	2	— 2	6	0	5	98
	19	— 1	2	6	5	— 1	— 3	— 1	— 3	— 3	2	1	— 3	67
	20	— 1	3	9	8	8	3	1	— 1	— 3	— 2	— 5	2	80
	21	17	9	— 2	— 8	— 6	— 5	— 6	— 1	0	4	8	4	102
	22	— 2	1	2	3	1	— 3	— 2	0	— 1	3	— 9	3	73
	23	— 5	— 6	— 2	0	— 4	1	— 1	— 2	— 1	0	— 2	— 3	70
	24	0	5	8	9	7	6	0	— 7	— 4	— 4	— 5	— 9	103
	25	0	3	4	2	4	5	2	3	4	2	3	— 1	89
	26	6	8	7	7	9	8	— 11	— 10	— 11	4	1	— 2	140
	27	— 3	— 3	1	5	— 2	0	3	3	0	— 9	— 2	— 9	70
	28	8	10	6	1	2	1	— 1	0	0	— 1	1	— 3	69
	29	2	4	6	6	3	4	1	0	0	1	— 10	— 4	102
	30	— 11	— 8	— 6	— 5	— 5	4	6	8	4	2	1	— 9	146
Hourly Amount.		172	195	181	165	158	147	114	112	132	105	130	139	3325

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	0	0	1	2	1	— 1	1	— 3	— 5	— 10	1	— 6	—
	2	2	1	3	2	— 4	— 7	0	2	— 2	— 2	7	2	—
	3	— 2	— 1	— 2	— 2	— 1	— 3	0	7	8	8	4	— 3	—
	4	2	2	1	0	0	— 2	2	3	4	4	0	— 5	—
	5	— 1	2	1	2	4	— 3	5	10	10	11	6	— 5	—
	6	4	3	6	8	9	9	13	7	12	14	12	4	—
	7	5	1	3	6	6	2	— 3	— 4	— 3	— 2	0	6	—
	8	— 5	3	0	4	— 9	— 9	— 2	7	6	0	3	2	—
	9	— 7	— 6	— 5	— 2	3	7	1	— 2	— 1	4	4	— 1	—
	10	— 4	— 2	0	— 6	— 1	0	0	2	2	4	— 6	— 10	—
	11	— 3	— 2	1	0	1	3	3	7	7	— 1	— 4	— 4	—
	12	0	— 1	— 2	— 1	0	0	— 1	— 7	— 5	— 7	— 4	0	—
	13	— 1	— 4	— 2	— 4	— 3	— 2	— 1	— 1	— 1	6	— 7	— 5	—
	14	2	1	2	— 4	— 2	— 1	— 3	— 8	— 10	— 7	— 3	4	—
	15	0	2	3	4	— 3	3	1	3	— 1	— 1	— 4	— 3	—
	16	2	2	2	— 2	— 1	4	6	11	8	— 6	— 12	— 13	—
	17	2	0	0	2	0	2	6	7	8	3	— 2	— 2	—
	18	— 1	2	— 3	— 2	4	— 4	0	— 1	2	1	— 6	— 6	—
	19	1	2	4	9	7	5	— 3	— 5	— 5	— 9	— 2	— 1	—
	20	1	0	2	3	1	5	1	2	1	3	8	5	—
	21	1	1	2	1	4	3	— 5	— 10	— 8	3	0	8	—
	22	3	3	3	2	1	0	2	0	— 3	— 2	— 1	5	—
	23	— 1	— 5	— 6	— 7	— 9	— 11	— 5	9	7	0	2	3	—
	24	0	— 4	— 5	— 10	— 3	— 9	— 10	— 10	— 3	3	6	9	—
	25	2	1	1	— 2	— 3	0	— 9	— 19	— 16	— 11	— 2	6	—
	26	— 5	— 8	— 8	— 3	— 5	— 6	— 2	7	9	9	9	2	—
	27	0	0	— 5	1	1	2	7	10	5	2	3	2	—
	28	1	2	1	0	2	5	— 2	— 10	— 8	— 5	— 4	3	—
	29	0	3	2	— 1	1	4	0	— 3	— 5	— 8	— 6	3	—
	30	1	0	2	1	— 2	1	— 3	— 9	— 8	— 6	— 2	4	—
Hourly Amount.		59	64	78	93	91	113	97	186	173	152	130	132	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
NOVEMBER.	1	— 7	— 2	3	— 2	0	— 3	1	— 1	0	2	2	2	56
	2	— 3	5	1	0	2	1	2	2	1	1	— 1	1	54
	3	— 10	— 11	— 8	— 1	1	0	0	1	2	2	2	3	82
	4	— 6	— 5	— 2	3	3	2	— 1	— 3	1	— 3	— 2	— 1	57
	5	— 5	— 8	— 9	— 2	— 1	— 1	— 1	— 1	0	0	0	2	90
	6	— 13	— 20	— 20	— 18	— 16	— 10	— 7	— 4	0	1	3	3	216
	7	3	— 2	— 2	2	— 3	— 5	— 4	— 2	— 1	0	— 1	— 1	67
	8	— 5	6	18	14	2	9	— 3	9	— 9	— 1	— 12	— 7	145
	9	— 3	— 2	— 2	— 4	— 5	— 6	2	3	3	10	5	— 2	90
	10	— 1	6	5	5	5	1	1	1	— 3	— 3	— 2	3	73
	11	0	3	5	5	5	3	5	— 1	— 2	— 2	— 4	0	71
	12	8	5	5	4	0	— 1	1	1	3	0	— 4	0	60
	13	4	3	12	10	— 4	— 5	— 4	4	13	4	5	— 7	112
	14	1	2	3	4	1	0	— 1	— 3	— 3	— 1	1	3	70
	15	— 5	— 1	0	2	4	8	7	— 4	— 7	— 2	0	— 5	73
	16	— 4	2	6	5	3	— 3	— 7	— 3	— 10	— 2	— 1	1	116
	17	— 4	— 2	— 1	4	5	4	— 1	— 3	0	0	0	5	63
	18	2	6	1	1	2	— 1	— 2	— 2	1	1	4	1	56
	19	3	— 1	2	— 3	0	1	— 2	— 5	— 4	— 6	— 5	— 2	87
	20	— 2	— 2	— 7	— 6	— 2	2	1	2	— 1	— 1	2	— 2	62
	21	— 4	— 4	4	3	1	3	2	— 2	— 2	— 4	— 4	— 3	82
	22	0	— 8	— 14	— 9	0	4	3	0	0	— 1	5	— 4	73
	23	— 1	2	0	1	7	8	4	5	4	1	2	— 1	101
	24	9	5	2	— 2	0	— 1	1	6	5	3	3	4	113
	25	13	11	8	5	1	0	1	— 1	— 3	— 3	— 3	— 6	127
	26	2	0	— 6	— 9	— 4	— 3	7	7	8	— 2	— 1	— 1	123
	27	1	— 2	— 8	— 10	— 4	— 4	— 2	0	3	8	3	5	88
	28	7	3	1	2	— 1	— 1	— 1	— 2	— 2	— 1	— 2	0	66
	29	8	3	— 2	— 6	— 3	0	2	2	1	0	4	3	70
	30	11	8	5	4	0	— 5	— 6	— 7	— 5	— 3	— 1	2	96
Hourly Amount.		145	140	162	146	85	95	82	87	97	68	84	80	2639

UNIVERSITY OF ILLINOIS LIBRARY
SEP 1 1921

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	1	2	2	2	6	3	2	— 1	— 8	— 6	— 3	— 1	—
	2	2	2	4	6	4	0	— 3	— 8	— 4	— 13	0	— 1	—
	3	0	1	1	— 2	— 4	— 1	— 6	— 4	2	5	2	6	—
	4	— 1	1	0	— 2	— 2	2	1	1	0	— 2	2	4	—
	5	— 1	— 1	0	— 3	— 3	— 7	— 3	2	5	4	5	9	—
	6	0	1	— 2	— 5	— 8	— 4	2	1	3	5	3	4	—
	7	2	2	— 4	— 2	— 1	— 3	1	0	— 3	— 3	— 3	— 4	—
	8	— 2	— 3	— 6	— 1	— 3	9	8	2	— 4	— 2	— 2	— 3	—
	9	— 8	— 5	— 4	— 1	— 2	— 3	2	13	12	12	9	5	—
	10	— 5	— 5	— 6	— 5	— 3	— 5	0	— 1	7	17	2	1	—
	11	— 4	— 3	— 1	— 2	— 2	— 2	— 4	2	9	11	10	12	—
	12	— 3	— 2	— 3	— 1	— 1	— 6	— 6	— 2	1	3	10	8	—
	13	— 3	— 3	— 2	— 2	0	0	8	4	4	4	8	16	—
	14	— 1	0	— 2	2	2	4	0	— 7	— 8	— 6	1	7	—
	15	— 1	— 1	— 4	— 3	— 4	— 1	0	1	1	5	5	— 1	—
	16	— 3	— 1	— 4	— 1	— 2	5	4	2	— 1	— 6	— 9	— 7	—
	17	0	2	4	4	6	12	12	5	— 11	— 22	— 21	— 14	—
	18	0	2	5	4	10	17	14	3	— 12	— 21	— 18	— 10	—
	19	2	3	3	2	4	3	6	2	— 1	— 6	— 14	— 14	—
	20	— 4	— 2	— 5	— 7	— 6	— 9	— 5	6	15	15	10	2	—
	21	4	4	5	— 1	— 1	— 4	— 1	0	— 3	0	— 5	— 4	—
	22	2	3	— 3	— 2	— 1	— 5	— 4	2	7	7	— 5	— 4	—
	23	0	— 6	— 4	— 3	— 2	— 4	— 5	1	4	10	9	6	—
	24	3	4	7	1	0	— 3	— 10	— 3	— 1	2	6	3	—
	25	3	4	4	6	1	0	— 4	— 8	— 5	— 3	3	4	—
	26	2	5	5	3	1	— 5	— 6	— 2	— 4	1	10	8	—
	27	5	4	4	4	3	3	— 6	— 6	— 6	— 4	— 5	— 3	—
	28	3	4	5	5	1	— 2	— 5	— 1	0	— 10	0	3	—
	29	— 2	— 4	— 2	— 3	2	0	1	— 4	2	2	3	— 4	—
	30	1	— 2	1	3	4	3	1	2	— 2	1	— 7	— 24	—
	31	— 2	— 2	1	1	0	1	4	— 2	0	0	— 3	— 6	—
Hourly Amount.		70	84	103	89	89	126	134	98·	145	208	193	198	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Dail Amount.
DECEMBER.	1	1	1	0	0	2	1	— 5	— 3	4	3	1	2	60
	2	— 1	3	0	2	1	1	3	— 2	1	— 2	— 3	3	69
	3	2	— 1	— 1	— 1	— 5	— 3	3	— 2	0	2	1	— 1	56
	4	1	3	1	1	0	1	1	2	— 2	— 3	— 3	0	36
	5	6	2	— 6	— 8	— 4	— 3	0	— 2	1	1	1	2	79
	6	10	4	— 2	— 1	— 0	— 2	0	— 1	— 1	— 1	0	1	61
	7	— 3	1	4	3	4	— 1	1	— 1	— 1	0	0	— 1	48
	8	— 7	— 2	1	3	5	4	1	0	0	— 3	— 2	— 3	76
	9	7	4	1	1	0	0	— 2	— 3	— 5	— 6	— 7	— 5	117
	10	— 2	— 3	— 4	— 2	1	0	— 3	8	— 3	— 2	— 3	— 4	92
	11	8	— 2	— 3	— 1	1	1	— 4	0	— 2	— 1	0	— 4	89
	12	0	— 2	— 6	— 3	— 5	1	2	0	— 2	— 2	— 2	— 2	73
	13	12	10	9	4	— 4	— 7	— 10	— 11	— 8	— 5	— 4	— 2	140
	14	5	4	6	— 1	— 1	1	— 2	— 3	0	— 1	— 1	— 1	66
	15	2	6	11	10	1	— 4	0	— 1	— 5	— 4	— 4	— 3	78
	16	0	9	6	4	— 1	0	— 3	2	1	0	— 1	0	72
	17	0	2	3	4	3	2	0	— 1	1	— 1	0	2	132
	18	— 9	— 8	0	5	5	2	1	0	2	1	0	3	152
	19	— 5	— 4	1	1	4	7	6	4	5	1	— 1	— 3	102
	20	— 3	— 3	— 1	— 2	— 2	— 1	0	— 4	1	0	2	3	108
	21	— 9	— 8	— 6	— 4	5	5	3	7	3	4	6	2	94
	22	— 5	— 6	— 6	— 5	— 1	4	6	3	3	4	5	— 2	95
	23	4	0	— 5	— 8	— 6	— 3	— 2	— 1	1	3	1	3	91
	24	2	— 3	— 5	— 3	— 4	— 3	— 2	— 1	0	0	2	2	70
	25	4	3	— 3	— 7	— 6	— 3	0	— 1	0	2	4	2	80
	26	2	— 2	— 3	— 2	8	— 5	— 3	— 3	— 2	— 1	0	3	86
	27	3	0	0	— 4	— 3	0	— 1	0	1	0	1	2	68
	28	2	10	8	9	2	— 5	— 3	— 3	— 1	— 2	— 1	0	85
	29	— 10	— 6	9	5	— 1	0	2	2	3	4	3	2	76
	30	— 10	— 2	0	6	9	5	4	2	2	3	2	1	97
	31	— 10	— 10	— 10	— 7	1	5	7	7	7	5	4	— 1	96
Hourly Amount.		145	124	121	117	95	80	80	80	68	67	65	65	2644

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	6	2	11	0	2	3	— 2	1	1	0	— 5	— 1	—
	2	0	10	1	0	3	— 2	1	1	7	3	— 1	1	—
	3	— 5	— 1	— 5	— 4	— 1	6	6	1	4	3	0	— 2	—
	4	3	— 3	— 3	4	— 3	— 5	— 4	— 3	— 2	0	— 1	— 2	—
	5	— 1	3	— 1	— 3	— 5	— 1	— 2	4	10	7	3	0	—
	6	0	— 17	— 8	3	— 2	— 1	— 4	3	— 2	— 6	— 3	— 2	—
	7	— 3	— 3	0	1	2	2	0	2	5	5	8	4	—
	8	— 3	— 2	— 1	— 4	— 1	— 2	— 4	— 2	— 2	— 4	— 5	— 5	—
	9	— 3	— 3	— 6	— 4	2	4	2	— 1	2	— 7	— 3	— 3	—
	10	4	8	8	9	8	7	7	4	1	— 3	— 1	— 5	—
	11	5	6	6	3	4	3	6	7	7	3	— 2	— 9	—
	12	— 1	2	1	2	0	— 2	1	1	1	6	— 1	6	—
	13	0	2	2	2	— 2	— 9	3	5	5	11	8	— 4	—
	14	— 3	— 6	4	— 1	— 1	0	1	1	0	0	— 1	1	—
	15	— 1	— 3	4	0	0	— 1	3	3	4	2	1	— 3	—
	16	— 9	— 11	— 7	— 5	— 4	— 3	— 3	— 8	— 10	— 7	— 2	2	—
	17	— 3	— 4	— 1	— 3	— 3	— 5	— 2	— 6	— 3	4	3	7	—
	18	— 4	— 6	— 2	— 3	0	— 2	— 8	— 11	— 8	— 6	— 1	5	—
	19	1	3	2	1	0	0	— 1	— 3	— 3	— 2	— 1	0	—
	20	0	5	3	4	3	3	0	5	4	3	2	0	—
	21	— 5	— 4	— 5	2	1	5	6	— 1	— 3	— 10	— 5	— 4	—
	22	— 5	— 1	2	1	2	4	0	— 2	1	2	6	4	—
	23	— 4	0	— 1	0	0	1	— 3	4	— 7	— 2	2	0	—
	24	1	2	7	5	— 2	0	— 2	— 9	— 1	2	5	8	—
	25	— 1	0	1	— 3	5	1	1	5	0	2	2	0	—
	26	15	5	— 1	0	1	6	4	5	3	— 3	— 3	— 3	—
	27	5	2	— 2	— 2	— 1	— 3	— 3	0	4	4	3	4	—
	28	1	3	— 1	— 6	— 3	— 3	— 2	0	3	12	1	— 2	—
	29	2	4	— 9	4	— 6	— 4	2	5	— 8	— 1	— 1	8	—
	30	0	7	2	— 3	— 2	1	— 2	— 4	— 6	— 3	4	1	—
	31	3	2	0	— 3	— 2	0	— 1	— 5	— 2	— 6	— 2	2	—
Hourly Amount.		97	130	107	85	71	89	86	112	119	129	86	98	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
DECEMBER.	1	— 8	0	8	7	0	— 10	— 4	— 12	— 8	— 4	— 1	— 1	97
	2	— 2	— 1	3	0	— 5	— 1	— 5	0	0	1	0	— 6	54
	3	4	4	5	0	— 3	— 3	— 3	3	6	6	3	9	87
	4	1	6	2	— 1	— 4	— 1	— 5	— 6	— 4	— 3	5	0	71
	5	— 1	— 1	0	1	— 1	2	4	10	7	7	4	2	80
	6	0	— 3	— 2	— 2	— 1	0	1	— 5	3	2	0	0	70
	7	3	— 1	1	1	— 2	— 3	0	— 4	7	5	4	4	70
	8	1	2	— 3	— 2	1	8	7	9	4	1	— 4	— 7	84
	9	4	4	4	1	0	— 5	— 8	— 10	— 6	— 8	— 4	1	95
	10	— 6	— 10	— 10	— 5	— 2	0	1	1	0	— 1	1	3	105
	11	— 9	— 8	— 5	— 6	— 5	— 10	— 4	0	— 1	0	— 3	0	112
	12	6	2	2	3	3	— 1	— 1	2	0	— 2	— 3	— 3	52
	13	— 12	— 18	— 9	— 4	— 1	0	1	2	5	9	6	4	124
	14	— 5	— 8	— 7	— 6	— 5	— 1	3	3	3	2	0	— 1	63
	15	— 3	2	8	8	6	10	9	5	4	— 4	— 5	— 8	97
	16	6	8	7	6	5	3	2	— 3	2	5	4	4	126
	17	5	6	0	— 1	3	3	2	7	3	7	4	2	87
	18	13	1	— 3	— 4	0	2	— 3	0	2	2	1	3	90
	19	0	— 3	— 1	1	2	— 5	— 5	— 6	— 6	— 6	— 5	— 4	61
	20	— 2	1	6	8	7	9	3	6	— 12	— 10	— 3	— 6	105
	21	— 4	14	3	0	2	1	0	2	3	— 3	— 5	1	89
	22	2	3	4	— 2	1	5	— 4	— 4	— 1	7	6	— 7	76
	23	3	— 2	— 1	1	— 5	— 4	0	— 1	— 3	— 2	— 2	1	49
	24	2	— 1	— 6	— 5	— 4	— 2	— 1	1	0	1	0	— 1	68
	25	0	— 1	— 2	2	5	6	— 1	— 6	— 13	— 9	— 4	— 4	74
	26	— 6	— 10	— 11	— 7	1	4	0	2	4	1	1	0	96
	27	— 1	— 4	— 8	— 6	— 2	— 3	— 1	0	6	6	3	3	76
	28	— 2	4	4	2	— 6	— 6	4	— 5	3	3	6	2	84
	29	1	0	2	— 5	— 3	— 2	1	2	5	— 1	— 3	0	79
	30	7	6	7	4	4	3	0	2	— 12	— 16	— 6	0	102
	31	7	6	3	5	4	2	1	— 6	1	— 3	— 4	0	70
Hourly Amount.		126	140	137	106	93	115	84	125	134	137	100	87	2593

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	— 5	— 1	— 5	1	1	— 2	0	8	6	6	7	— 4	—
	2	0	— 6	— 2	— 2	— 3	1	— 2	— 8	— 7	— 5	— 1	0	—
	3	2	2	3	3	— 2	— 4	— 1	— 3	— 7	— 7	— 3	2	—
	4	0	3	4	2	4	1	1	6	5	6	— 1	— 5	—
	5	1	0	1	2	3	1	— 3	— 7	— 6	— 3	— 5	— 1	—
	6	3	11	8	2	4	— 3	— 1	— 9	— 4	7	4	— 3	—
	7	1	1	0	0	— 5	2	4	4	3	— 2	— 2	— 4	—
	8	3	3	— 1	— 1	— 3	— 7	0	1	3	3	7	6	—
	9	0	— 1	0	— 3	— 5	— 7	— 7	— 6	— 8	1	5	11	—
	10	— 7	— 13	— 13	— 14	— 14	— 13	— 8	— 4	8	12	11	9	—
	11	— 5	— 5	— 6	— 4	— 5	— 3	— 8	— 8	— 4	2	7	9	—
	12	0	— 2	— 1	— 2	0	3	1	0	0	— 4	— 3	0	—
	13	4	3	2	4	5	8	— 7	— 6	— 2	— 9	— 10	— 4	—
	14	1	1	— 5	— 3	— 2	— 3	1	10	5	0	— 6	— 8	—
	15	1	2	— 1	0	0	— 1	4	5	5	7	0	— 3	—
	16	9	7	4	5	3	1	— 1	— 7	— 4	3	0	1	—
	17	0	1	3	3	1	— 1	5	11	13	10	6	— 5	—
	18	5	4	0	1	— 3	— 3	6	16	12	6	— 8	— 9	—
	19	2	0	— 1	— 1	— 1	— 3	— 2	2	3	3	— 3	— 4	—
	20	0	— 2	0	2	3	2	— 2	— 15	— 12	— 7	1	10	—
	21	2	3	5	3	6	6	6	4	8	11	4	1	—
	22	3	1	1	2	4	5	2	— 5	— 9	— 3	— 2	4	—
	23	5	4	1	— 2	— 1	— 2	1	— 1	0	— 4	— 1	0	—
	24	— 3	— 2	— 3	1	4	7	6	4	— 1	— 3	1	— 1	—
	25	2	1	2	4	2	4	4	— 8	— 5	— 5	— 1	— 2	—
	26	— 8	— 4	4	3	4	8	4	6	1	— 4	— 7	— 4	—
	27	— 2	1	1	2	1	3	1	— 5	— 7	— 10	— 2	2	—
	28	— 3	— 3	3	6	5	7	3	4	4	— 3	1	1	—
	29	0	— 2	2	— 4	— 2	— 3	— 8	4	1	— 6	— 1	0	—
	30	1	— 2	0	2	2	1	4	6	4	2	4	1	—
	31	— 2	— 4	— 3	— 1	— 3	— 5	— 3	0	— 6	— 4	— 5	— 2	—
	Hourly Amount.	80	95	85	85	101	120	106	183	163	158	119	116	—

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
DECEMBER.	1	— 3	— 6	— 11	— 9	2	7	6	7	4	1	0	— 1	103
	2	4	6	4	3	2	0	2	0	0	2	1	2	63
	3	3	4	7	6	6	2	0	— 2	— 7	— 5	— 2	— 4	87
	4	— 8	— 10	— 8	0	2	2	2	2	2	0	— 3	— 2	79
	5	3	6	0	4	1	0	— 2	— 4	— 3	— 3	0	3	62
	6	— 6	— 1	2	3	3	1	0	0	— 2	— 3	— 3	— 3	86
	7	— 7	— 7	— 4	— 1	0	3	2	3	— 1	— 4	— 3	— 3	66
	8	2	0	0	— 1	— 1	— 2	— 1	— 2	0	2	2	3	54
	9	3	3	9	10	9	8	8	7	4	2	1	— 4	122
	10	8	8	9	0	— 2	— 3	— 1	— 2	0	0	— 1	— 5	165
	11	11	7	4	2	1	5	— 1	— 2	— 2	— 1	0	— 1	103
	12	— 4	— 1	2	0	— 2	— 2	0	0	1	2	2	4	36
	13	8	5	2	0	— 1	0	3	1	— 1	— 4	— 2	0	91
	14	0	6	4	1	0	— 1	0	— 2	0	0	0	0	59
	15	— 7	— 3	— 2	0	2	— 4	— 4	— 3	0	5	4	7	70
	16	2	— 7	— 9	— 6	0	0	— 1	1	— 4	— 4	— 5	— 3	87
	17	— 18	— 17	— 7	0	0	— 1	— 1	— 2	— 2	— 1	2	3	113
	18	— 7	— 2	— 5	— 3	— 7	0	0	— 2	— 2	— 2	— 2	— 1	106
	19	— 2	4	4	0	2	3	2	2	3	4	4	4	59
	20	8	4	— 2	— 6	— 1	— 1	— 1	— 2	5	3	— 1	1	94
	21	— 3	— 11	— 10	— 10	— 9	— 5	— 2	— 3	— 1	3	4	0	120
	22	3	0	— 4	— 5	— 6	— 5	0	1	— 1	— 7	— 3	4	80
	23	7	12	12	9	5	3	— 3	— 3	— 2	— 3	— 6	— 5	92
	24	— 2	— 2	1	— 3	— 2	— 3	— 3	— 4	— 2	— 2	0	2	62
	25	4	7	6	4	— 3	— 9	1	3	6	4	1	— 1	89
	26	— 3	2	0	— 3	— 5	— 1	0	0	0	0	1	— 1	73
	27	5	3	3	4	0	0	0	— 2	— 3	— 4	— 3	— 3	67
	28	— 11	— 15	— 5	— 1	4	5	— 2	— 1	— 5	— 4	— 4	— 3	103
	29	4	2	— 2	7	5	2	1	0	0	4	5	2	67
	30	— 6	— 9	— 11	— 7	— 6	— 4	0	1	8	8	4	— 1	94
	31	9	10	12	— 1	— 2	— 4	— 2	2	0	0	2	1	83
	Hourly Amount.	171	180	161	109	91	86	51	66	71	87	71	77	2632

RESULTS OF METEOROLOGICAL OBSERVATIONS

BATAVIA

1890.

TABLE 1. Mean height of the Barometer in 1890.

Barometer at 0°C = 750^{mm} + the numbers in the Table.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	7.79	9.06	7.99	8.58	8.38	8.71	9.60	9.56	9.20	9.15	9.36	9.06	8.87
2	7.42	8.69	7.53	8.18	7.97	8.34	9.25	9.20	8.89	8.87	8.99	8.73	8.50
3	7.23	8.51	7.30	7.97	7.71	8.04	8.93	8.99	8.73	8.68	8.77	8.43	8.27
4	7.22	8.48	7.30	7.95	7.66	8.05	8.87	8.85	8.72	8.76	8 82	8.37	8.25
5	7.41	8.70	7.40	8.00	7.85	8.22	9.00	9.03	8.92	9.00	9.09	8.66	8.44
6	7.79	9.01	7.69	8.35	8.19	8.47	9.24	9.31	9.27	9.36	9.54	9.12	8.77
7	8.29	9.46	8.17	8.80	8.59	8.78	9.62	9.75	9.76	9.89	10.05	9.66	9.23
8	8.74	9.96	8.68	9.18	9.08	9.25	10.13	10.18	10.18	10.30	10.45	10.02	9.68
9	8.85	10.14	8.94	9.37	9.29	9.40	10.34	10.45	10.33	10.38	10.59	10.23	9.86
10	8.66	9.99	8.82	9.26	9.13	9.32	10.18	10.32	10.16	10.19	10.35	10.11	9.70
11	8.29	9.66	8.36	8 80	8.71	9.01	9.82	9.90	9.59	9.72	9.92	9.63	9.28
12	7.83	9.05	7.83	8.15	8.10	8.52	9.20	9.28	8.93	9.10	9.36	9.12	8.70
1 p. m.	7.23	8.41	7.06	7.47	7.52	7.96	8.71	8.59	8.19	8.38	8.71	8.58	8.06
2	6.56	7.84	6.41	6.87	6.91	7.36	8.13	8.01	7.60	7.78	8.15	7.96	7.46
3	6.03	7.37	5.99	6.46	6.51	6.99	7.74	7.63	7.20	7.50	7.66	7.53	7.05
4	5.90	7.14	5.86	6.51	6.52	6.97	7.75	7.59	7.20	7.62	7.76	7.41	7.02
5	6.13	7.31	6.14	6.76	6.81	7.31	8.02	7.82	7.53	8.02	8.16	7.68	7.31
6	6.69	7.79	6.68	7.26	7.23	7.78	8.42	8.27	8.07	8.49	8.67	8.21	7.80
7	7.26	8.33	7.27	7.89	7.81	8.22	8.95	8.86	8.64	9.08	9.24	8.84	8.36
8	7.79	8.89	7.90	8.51	8.40	8.70	9.55	9.45	9.25	9.49	9.76	9.35	8.92
9	8.32	9.36	8.34	8.99	8.81	9.13	10.02	9.92	9.65	9.90	10.19	9.71	9.36
10	8.58	9.71	8.64	9.21	8.98	9.23	10.20	10.18	9.92	10.09	10.30	9.89	9.58
11	8.65	9.77	8.63	9.20	8.96	9.18	10.15	10.18	9.93	9.97	10.18	9.88	9.55
12	8.34	9.47	8.37	8.95	8.78	9.05	9.98	9.94	9.60	9.57	9.77	9.52	9.28
Monthly Means.	7.63	8.84	7.64	8.19	8.08	8.42	9.24	9.22	8.98	9.14	9.33	8.99	8.64

TABLE 2. Mean Temperature of the Air in 1890.

Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	24°.47	23°.85	24°.35	24°.71	24°.61	24°.00	23°.60	23°.48	23°.92	23°.76	23°.44	23°.91	24°.01
2	24.24	23.60	24.15	24.49	24.43	23.77	23.34	23.29	23.63	23.55	23.21	23.69	23.79
3	23.97	23.39	23.97	24.31	24.22	23.57	23.12	23.07	23.42	23.41	23.00	23.46	23.58
4	23.79	23.20	23-82	24.09	23.98	23.42	22.87	22.86	23.18	23.23	22.81	23.32	23.38
5	23.57	23.03	23.64	23.90	23.80	23 27	22.68	22.68	22.94	23.09	22.65	23.18	23.20
6	23.42	22.86	23.47	23.71	23.59	23.12	22.49	22.44	22.73	23.07	22.64	23.12	23.06
7	23 80	23.19	23.69	23.99	23.80	23.26	22.60	22.66	23.14	23.68	23.30	23.62	23.40
8	24.96	24.24	24.69	25.14	24.78	24.15	23.52	23.87	24.57	24.97	24.66	24.87	24.54
9	26.42	25.60	26.12	26.72	26.21	25.41	24.93	25.59	26.31	26.43	26 07	26.32	26 01
10	27.70	26.76	27.29	28.09	27.51	26.65	26.20	27.11	27.64	27.70	27.15	27.35	27.26
11	28.63	27.68	28.27	28.96	28.51	27.62	27.36	28.24	28.72	28.60	28.14	27.98	28.23
12	29.30	28.41	28.79	29.59	29.14	28.22	28.12	28.96	29.32	29.10	28.40	28.40	28.81
1 p.m.	29.16	28.61	28.82	29.92	29.31	28.45	28.39	29.28	29.56	29.12	28.20	28.34	28.93
2	28.97	28.43	28.73	29.93	29.27	28.48	28.30	29.24	29.34	28.99	27.96	27.93	28.80
3	28.62	28.15	28.56	29.60	29.20	28.33	28.32	28.96	29.05	28.69	28.01	27.51	28 59
4	28.38	27.63	28.14	29.02	28.79	28.02	27.93	28.38	28.53	28.11	27.46	27.09	28.13
5	28.04	27.24	27 73	28 42	28.14	27.55	27.41	27.89	27.81	27.33	26.72	26.83	27.60
6	27.32	26.60	27.13	27.53	27.51	26.69	26.65	27.13	26.97	26.60	25.91	26.17	26.85
7	26.73	25.87	26.36	26.85	26.92	25.89	25.89	26.25	26.36	25.79	25.28	25.59	26.15
8	26.21	25.30	25.87	26.31	26.37	25.43	25.19	25.58	25.75	25.29	24.77	25.20	25.61
9	25.77	24.91	25.42	25.82	25.81	25.08	24.76	25.07	25.12	24.80	24.44	24.91	25.16
10	25.42	24.62	25.08	25.48	25.40	24.79	24.43	24.51	24.72	24.47	24.16	24 60	24.81
11	25.09	24.36	24.81	25.20	25.06	24.43	24.14	24.15	24.42	24.18	23.94	24.33	24.51
12	24.73	24.11	24.58	24.94	24.81	24.16	23.85	23.83	24.14	23.93	23.70	24.10	24.24
Monthly Means.	26.20	25.48	25.97	26.53	26.30	25.58	25.25	25.61	25.89	25.74	25.25	25.48	25.78

TABLE 3. Mean relative Humidity of the Air in 1890.

Saturation = 1000.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	889	916	926	922	928	932	924	905	894	914	923	919	916
2	898	922	930	927	933	937	932	909	905	920	929	925	922
3	905	920	935	931	938	942	937	912	904	923	932	933	926
4	913	929	940	936	942	945	940	915	905	925	935	936	930
5	921	934	946	934	942	946	940	915	912	928	938	939	933
6	922	937	948	938	943	948	943	917	911	927	937	940	934
7	915	934	940	929	935	940	936	907	886	908	919	924	923
8	867	897	906	880	900	918	907	862	824	851	866	876	879
9	799	830	836	808	841	861	840	787	752	781	797	802	811
10	737	784	780	747	770	798	782	715	684	719	740	757	751
11	694	735	732	706	722	751	729	656	637	682	692	732	706
12	668	704	712	687	691	731	701	624	620	672	697	709	685
1 p. m.	693	711	730	683	694	726	695	636	628	670	718	728	692
2	701	722	735	688	699	720	710	643	640	690	722	751	702
3	721	742	742	695	713	734	706	652	658	695	716	763	711
4	727	758	764	717	732	755	721	682	680	726	734	796	732
5	740	778	779	748	766	784	753	713	719	759	772	811	760
6	767	810	812	794	811	826	803	749	760	806	812	843	799
7	797	840	846	837	841	869	847	798	809	847	843	871	837
8	816	862	863	868	874	894	874	840	831	865	873	884	862
9	838	880	878	890	899	905	891	864	858	881	888	895	881
10	857	895	897	903	909	913	906	879	878	893	900	898	894
11	872	902	910	913	917	918	914	889	888	905	911	910	904
12	883	906	921	918	923	925	923	900	889	910	918	915	911
Monthly Means.	814	844	850	833	844	859	844	803	795	825	838	852	833

TABLE 3A. Mean relative Humidity of the Air in 1890.

Calculated according to Weihrauch's method.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	887	914	925	920	925	930	922	904	893	913	924	918	915
2	897	920	929	924	930	936	931	906	905	919	930	924	921
3	905	918	935	929	935	940	936	911	903	922	933	932	925
4	912	926	940	933	940	944	938	915	905	924	935	935	929
5	920	933	945	933	939	945	939	914	913	928	938	939	932
6	920	937	947	936	941	947	942	917	912	927	938	939	934
7	914	934	939	930	934	939	935	909	889	910	923	926	923
8	869	898	908	885	902	920	909	867	830	858	872	882	883
9	804	833	841	815	846	867	846	791	758	789	802	808	817
10	741	784	784	753	775	803	787	718	688	725	743	761	755
11	695	733	737	712	725	755	731	658	640	687	692	735	708
12	667	699	713	690	693	733	703	626	619	675	695	711	685
1 p. m.	690	706	728	686	696	728	696	637	628	672	712	726	692
2	697	716	733	689	700	721	712	641	640	691	715	750	700
3	716	734	739	696	715	735	706	652	657	698	711	759	709
4	722	751	762	718	732	756	721	680	678	725	728	791	730
5	736	770	777	747	764	784	752	712	716	759	767	807	757
6	763	802	810	793	808	825	801	749	756	803	806	840	796
7	792	834	844	834	837	866	844	795	805	843	838	868	833
8	813	856	861	865	869	891	871	836	827	860	870	881	858
9	835	876	876	886	894	902	889	861	854	877	886	893	878
10	854	891	895	900	906	911	903	876	875	889	899	897	892
11	869	899	908	909	914	917	912	887	884	901	911	909	902
12	881	904	919	916	920	923	920	897	887	907	917	914	909
Monthly Means.	807	836	846	827	837	854	838	794	786	819	831	849	827

TABLE 4. Mean Tension of the Atmospheric Vapour in 1890.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	20.26	20.10	20.97	21.29	21.28	20.63	19.97	19.44	19.72	19.97	19.82	20.25	20.31
2	20.19	19.92	20.81	21.12	21.18	20.47	19.85	19.27	19.63	19.85	19.67	20.13	20.18
3	20.04	19.65	20.71	20.99	21.02	20.32	19.71	19.11	19.36	19.75	19.48	20.02	20.02
4	19.98	19.59	20.63	20.81	20.83	20.23	19.45	18.95	19.11	19.58	19.31	19.93	19.87
5	19.89	19.52	20.52	20.57	20.59	20.08	19.24	18.74	18.99	19.49	19.20	19.83	19.72
6	19.73	19.41	20.35	20.41	20.38	19.94	19.10	18.53	18.75	19.44	19.19	19.77	19.58
7	20.03	19.74	20.46	20.62	20.48	19.94	19.08	18.60	18.73	19.81	19.63	20 09	19.77
8	20.42	20.22	20.99	21.01	20.96	20.59	19.60	19.08	19.05	20.17	20.13	20.61	20.24
9	20.60	20.34	21.17	21.26	21.40	20.92	19 83	19.31	19.31	20.23	20.14	20.58	20.42
10	20.46	20.51	21.14	21.27	21.18	20.86	19.90	19.15	18.92	20.03	19.87	20.61	20.32
11	20.27	20.21	21.03	21.14	20.99	20.76	19.80	18.76	18.76	20.01	19.61	20.62	20.16
12	20.21	20.11	20.98	21.26	20.82	20.87	19.90	18.61	18.80	20.23	20.00	20.44	20.19
1 p. m.	20.75	20.57	21.46	21.54	21.10	21.01	20.01	19.27	19.32	20.15	20.24	20.81	20 52
2	20.72	20.64	21.51	21.66	21.19	20.84	20.35	19.35	19.44	20.55	20.04	20.98	20.61
3	20 87	20.82	21.46	21.46	21.53	21.05	20.20	19.36	19.63	20.42	20.00	20.75	20.63
4	20.76	20.65	21.58	21.41	21.54	21.27	20.17	19.54	19.66	20.51	19.85	21.09	20.67
5	20.73	20.71	21.50	21.50	21.66	21.47	20.43	19.87	19.90	20.53	20.00	21.20	20.79
6	20.61	20.78	21.65	21.69	22.08	21 47	20.80	20.00	20.01	20.79	20.04	21.20	20.93
7	20.67	20.68	21.55	21.92	22.10	21.50	20.96	20.18	20.55	20.82	20.06	21.17	21 02
8	20.57	20.52	21.37	22.02	22.21	21.54	20.75	20.38	20.36	20.62	20.22	21.01	20.97
9	20.60	20.52	21.16	21.92	22.11	21.35	20.65	20.35	20.26	20.42	20.18	20.91	20.87
10	20.64	20.51	21.18	21.82	21.85	21.19	20.56	20.04	20.27	20.29	20.14	20.63	20.76
11	20.58	20.38	21.15	21.67	21.59	20.87	20.40	19.85	20.13	20.21	20.13	20 57	20.63
12	20.42	20.18	21.11	21.49	21.43	20.68	20.24	19.70	19.85	20.04	19.99	20.40	20.46
Monthly Means.	20.42	20.26	21.10	21.33	21.31	20.83	20.04	19.39	19.52	20.16	19.87	20.57	20.40

TABLE 4A. Deficiency of Saturation for the year 1890.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	m m	mm	mm	mm
1 a. m.	2.57	1.89	1.69	1.86	1.73	1.55	1.69	2.07	2.36	1.90	1.64	1.81	1.88
2	2.32	1.74	1.58	1.74	1.59	1.41	1.48	2.00	2.07	1.75	1.49	1.65	1.73
3	2.10	1.75	1.43	1.61	1.46	1.30	1.34	1.87	2.08	1.67	1.41	1.47	1.62
4	1.93	1 56	1.32	1.50	1.32	1.21	1.28	1.77	2.01	1.61	1.34	1.38	1.51
5	1.73	1.41	1.19	1.48	1.33	1.16	1.26	1.76	1.83	1.52	1.26	1.29	1.43
6	1.71	1.31	1.15	1.39	1.27	1.11	1.17	1 67	1 81	1.54	1.26	1.28	1.39
7	1.89	1.40	1.32	1.55	1.44	1.29	1.32	1.87	2.34	1.95	1.65	1.60	1.64
8	3.07	2.29	2.14	2.74	2.29	1.80	1.96	2.93	3.91	3.34	2.95	2.76	2.68
9	5.03	4.07	4.00	4.82	3.91	3.22	3.62	5.09	6.16	5.42	4.96	4.90	4.59
10	7.16	5.64	5.83	6.98	6.15	5.12	5.39	7.54	8.60	7.59	6.88	6.46	6.61
11	8.89	7.38	7.52	8.57	7.97	6.73	7.29	9.74	10.55	9.10	8.73	7.45	8.33
12	10.10	8.68	8,44	9.56	9.21	7.60	8.40	11.10	11.55	9.73	8.77	8.33	9.27
1 p. m.	9.31	8.56	8.01	9.87	9.23	7.85	8.74	11.00	11.45	9.84	8.20	7.86	9.14
2	9 01	8.18	7.82	9.76	9.07	8.07	8.25	10.85	10.94	9.21	8.00	7.01	8.83
3	8.27	7.54	7.58	9.38	8.60	7.60	8.43	10.35	10.24	8.84	8.12	6 58	8.46
4	7.98	6.86	6.76	8.41	7.88	6.86	7.82	9.20	9.33	7.78	7.40	5.56	7.65
5	7.44	6.18	6.17	7.30	6.68	5.92	6.74	8.05	7.90	6.51	6.08	5.06	6.67
6	6.41	5.12	5.07	5.67	5.25	4.57	5.18	6.72	6.46	5.11	4.82	4.05	5.36
7	5.43	4.13	3.99	4.37	4.29	3.34	3.88	5.19	4.99	3.87	3.89	3.23	4.20
8	4.74	3.46	3.44	3.45	3.35	2.63	3.08	4.00	4.27	3.35	3.02	2.83	3.46
9	4.06	2.90	3.00	2.81	2.61	2.31	2.57	3.30	3.46	2.86	2.61	2.51	2.91
10	3.52	2 52	2.48	2.42	2.28	2.08	2.21	2.84	2.90	2.54	2.26	2.37	2 53
11	3.10	2.29	2.14	2.17	2.04	1.90	1.97	2.54	2.63	2.21	1.97	2.06	2.25
12	2.76	2.15	1.86	1.98	1.86	1.72	1.75	2.26	2.52	2.05	1.80	1.92	2.05
Monthly Means.	4.87	3.98	3.85	4.47	4.14	3.55	3.87	5.04	5.32	4.46	4.04	3.67	4.27

TABLE 5. Hourly, Monthly and Annual mean Amount of Cloud in 1890.

A sky free from cloud is represented by 0, entirely overcast by 10.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	6.8	5.5	6.1	5.0	6.3	5.5	5 7	5.0	5.8	6.5	6.4	6.9	5.96
2	6.0	5.6	6.1	5.4	5.2	5.1	5.5	4.5	5.2	6.8	5.9	6.2	5.62
3	6.2	5.9	6.2	5.1	4.5	5.2	5.4	4.8	4.7	6.4	5.8	5.9	5.50
4	6.3	5.1	6.8	4.8	4.2	5.4	4.6	4.5	4.6	6.4	5.8	6.4	5.41
5	6 5	5.2	6.4	5.0	4.1	5.6	4.8	4.5	4.6	6.8	7.5	7.3	5.68
6	6.7	5.9	6.7	5.4	5.1	6.4	5.4	5.1	4.9	7.0	7.2	7.5	6.11
7	7 5	6.6	7.3	5.4	5.3	6.6	5.9	5.6	5.3	7.1	7.1	7.4	6.43
8	6.9	5.9	6.3	4.2	5.3	6.5	5.1	4.1	3.8	6 6	6.2	6.5	5.61
9	6.9	6.3	6.0	4.1	5.3	6.4	5.3	3.9	3.6	6.8	6.3	6.8	5.63
10	7.0	6.0	6.4	4.8	5.5	6.4	5.7	4.1	3.8	7.3	6.8	7.4	5.93
11	7.6	6.5	7.0	5.2	5.9	7.3	6.0	4.4	4.9	7.5	7.1	8.1	6.47
12	7.9	6.5	7.1	6.0	6.5	7.8	7.1	5.8	5.8	7.7	7.4	8.4	7.00
1 p. m.	8.0	7.1	7.3	5.6	6.2	7.5	6.8	5.7	4.8	7.3	6.8	8.4	6.79
2	8.0	6.9	7.2	5.3	6.4	7.1	6.5	4.9	4.9	6.8	6.9	8.3	6.60
3	8.3	7.4	6.7	5.1	6.4	7.4	6.2	4.9	4.9	7.7	6.3	8.2	6.62
4	8.3	7.3	7.1	5.1	6.1	7.2	6.0	4.4	4.9	8.3	7.1	8.3	6.68
5	8.4	7.9	7.6	5.4	6.9	7.2	6.3	5 0	5.8	8.4	7.0	9.0	7 07
6	8.7	7.6	8.2	5.9	7.0	7.4	6.5	5.6	7.4	8.3	7.5	9.1	7.43
7	8.1	6.8	8.1	5.9	5.6	5.8	5.7	5.4	7.0	6.9	6.9	7.8	6.68
8	8.0	6.5	7.7	6.5	5.8	6.6	5.9	5.3	7.3	7.0	7.3	7.5	6.78
9	6.9	5.9	7.2	6.0	6.5	5.8	6.1	4.8	6.7	7.0	6.9	6.8	6.38
10	7.1	5.5	7.1	6.4	5.5	5.6	6 5	5.1	6.8	7.0	7.2	6.8	6.40
11	6.9	5.5	7.2	5.6	5.5	6.0	6.0	4.5	6 3	6.9	6.6	7.3	6.20
12	7.1	5.6	7.0	4.9	5.5	6.1	6.0	4.2	6.4	6.6	6.1	7.2	6.06
Monthly Means.	7.34	6.29	6.95	5.34	5.69	6.41	5.88	4.84	5.43	7.13	6.75	7.48	6.29

TABLE 6. Hourly, Monthly and Annual Means of the recorded Velocity of the Wind for the year 1890.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	k. p. h.	k. p. h.	k. p. h	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.
1 a. m.	0.77	0.40	0.83	0.45	0.49	0.27	0.36	0.52	0.61	0.49	0.40	0.49	0.51
2	0.80	0.91	0.80	0.45	0.59	0.16	0.13	0.65	1.04	0.54	0.37	0.49	0.58
3	0.77	1.11	1.03	0.83	0.54	0.13	0.08	0.75	1.23	0.67	0.35	0.34	0.65
4	0.49	0.83	1.19	0.83	0.41	0.16	0.13	0.65	0.64	0.36	0.32	0.36	0.53
5	0.44	0.34	1.16	0.72	0.57	0.11	0.23	0.46	0.51	0.36	0.24	0.18	0.45
6	0.62	0.57	0.95	0.77	1.08	0.08	0.18	0.59	0.59	0.70	0.40	0.46	0.59
7	1.45	0.94	1.73	1.31	1.34	0.32	0.13	1.29	1.81	1.32	1.15	0.72	1.13
8	3.15	2.20	2.59	2.40	1.81	0.56	0.75	2.33	2.85	2.09	1.97	1.47	2.01
9	5.45	4.32	4.16	4.06	3.80	1.84	1.83	3.28	4.43	3.72	3.31	2.97	3.59
10	7.17	5.24	5.51	5.13	5.67	2.40	2.92	4.65	4.89	4.57	4.68	4.27	4.76
11	8.49	6.56	7.44	6.08	6.89	2.96	4.29	5.85	5.50	5.54	5.64	5.70	5.92
12	9.58	7.84	8.90	7.02	7.94	4.14	5.40	6.87	6.34	6.74	7.50	6 43	7.06
1 p. m.	10.39	8.33	10.19	7.69	8.45	5.13	6.14	8.11	8.61	7 94	8.73	7.52	8.11
2	10.68	8.51	9.93	9.72	8.51	5.16	6.58	10.21	9.91	8.23	8.15	6.91	8 54
3	9.68	7.94	9.04	9.76	8 80	5.15	6.75	11.25	9.82	8.20	6.97	5.54	8.25
4	7.78	7.15	7.32	8.13	7.36	4.30	6.19	10.08	8.91	7.05	5 89	3.44	6.97
5	6.00	4.62	5.17	5.65	4 96	2.54	3.51	6.98	7.04	4.57	3.21	2.06	4.69
6	3.61	2.66	3.07	3.10	1.88	1.87	1.42	3.23	2.85	2.43	1.39	1.06	2.38
7	2.06	1.66	1.81	1.41	1.21	0.96	0.93	1.55	1.28	2.33	0.91	0.65	1.40
8	1.57	1.49	1.50	1.17	1.16	0.85	0.85	0.72	2.03	1.94	0 91	0.34	1.21
9	1.08	0.97	1.37	0.88	0.80	0.80	0.39	0.59	1.44	1.78	0.43	0.34	0.91
10	0.80	0.71	1.29	0.83	0.77	0.83	0.31	1.01	0.96	1.37	0.29	0.67	0.82
11	0.90	0.83	1.04	0.69	0.80	0.53	0.21	0.65	1.33	1.47	0.61	0·44	0.79
12	0.77	0.51	1.11	0.61	0.67	0.29	0.46	0.44	0.91	0.98	0.61	0.36	0.65
Monthly Means.	3.94	3.19	3.71	3.32	3.19	1.73	2.09	3.45	3.56	3.14	2.68	2.22	3.02

TABLE 7. Hourly and Monthly Means of the four Components of the Wind in the year 1890.

Velocity in kilometers per hour.

Hours of mean Batavia Time.	January.				February.				March.			
	N.	E.	S.	W.	N.	E.	S.	W.	N.	E.	S.	W.
1 a. m.	0.19	0.04	0.08	0.61	0.10	—	0.09	0.31	0.20	0.13	0.26	0.41
2	0.17	—	0.10	0.68	0.39	—	0.09	0.66	0.10	0.05	0.27	0.50
3	0.17	—	0.26	0.58	0.26	0.01	0.42	0.76	0.18	0.02	0.33	0.75
4	0.07	—	0.09	0.45	0.20	—	0.23	0.64	0.46	0.19	0.23	0.63
5	0.15	—	0.09	0.33	0.13	—	0.04	0.26	0.43	0.04	0.25	0.70
6	0.24	—	0.08	0.48	0.12	—	0.09	0.47	0.32	0.06	0.19	0.53
7	0.46	—	0.30	1.07	0.26	0.03	0.18	0.69	0.59	0.23	0.32	0.94
8	0.90	—	0.54	2.55	0.28	0.02	0.77	1.66	0.69	0.40	0.79	1.25
9	2.25	—	0.67	4.06	0.51	—	1.46	3.23	0.80	0.89	1.13	2.35
10	3 82	0.06	0.49	4.57	1.14	0.18	1.28	3.88	1.66	1.49	0.39	3.23
11	5.27	0.15	0.46	4.98	2.91	0.38	0.84	4.37	4.20	1.69	0.22	3.56
12	6.59	—	0.25	4.84	4.69	0.88	0.26	4.48	6.57	1.30	0.09	3.32
1 p. m.	8.56	0.33	0.10	3.22	5.53	0.86	0.04	4.10	8.36	1.74	—	2.14
2	8.92	0.29	—	3.74	5.57	1.17	0.11	3.51	7.81	1.42	0.08	2.85
3	7.57	0.15	0.17	4.03	5.24	0.27	0.24	3.44	7.48	0.78	0.28	2.12
4	5.29	0.14	0.43	3.51	4.10	0.55	1.03	2.90	5.61	0.86	0.55	1.76
5	3.51	—	0.23	3.65	2.25	0.41	0.70	2.28	4.02	0.28	0.25	1.50
6	1.84	—	0.15	2.38	1.08	0.41	0.44	1.30	1.48	0.21	0.63	1.50
7	0.79	—	0.16	1.48	0.43	0.06	0.44	0.99	0.73	0.05	0.48	0.93
8	0.61	0.15	0.09	1.02	0.46	0.22	0.35	0.79	0.46	0.04	0.41	1.01
9	0.30	0.02	0.16	0.84	0.31	0.07	0.18	0.56	0.38	0.02	0.41	0.89
10	0.20	0.02	0.24	0.53	0.20	0.07	0.10	0.48	0.49	—	0.25	0.79
11	0.22	0.05	0.09	0.67	0.22	0.06	0.21	0.49	0.20	—	0.40	0.68
12	0.22	0.05	0.06	0.58	0.17	0.04	0.12	0.34	0.25	—	0.28	0.78
Monthly Means.	2.43	0.06	0.22	2.12	1.52	0.24	0.40	1.77	2.23	0.50	0.35	1.46

TABLE 7. Continued.

Hours of mean Batavia Time.	April.				May.				June.			
	N.	E.	S.	W.	N.	E.	S.	W.	N.	E.	S.	W.
1 a. m.	0.13	0.15	0.24	0.06	0.09	0.27	0.18	0.04	0.06	0.12	0.13	0.02
2	0.09	0.15	0.27	0.10	0.18	0.18	0.29	0.06	0.02	0.03	0.11	0.01
3	0.37	0.38	0.25	0.09	0.16	0.20	0.27	0.02	0.03	—	0.11	—
4	0.24	0.22	0.43	0.12	0.08	0.12	0 23	0.07	0.08	0.08	0.05	—
5	0.27	0.22	0.24	0.18	0.10	0.29	0.30	0.08	0.04	0.04	—	0.05
6	0.29	0.24	0.25	0.23	0.37	0.32	0.52	0.14	0.03	0.02	0.05	—
7	0.36	0.39	0.51	0.38	0.34	0.47	0.68	0.23	0.05	0.19	0.08	0.05
8	0.26	0.60	1.63	0.42	0.26	0.99	0.89	0.15	0.08	0.21	0.22	0.17
9	0.41	2.12	1.98	0.45	0.19	2.34	2.03	0 26	0.15	1.02	0.59	0.40
10	0.68	3.38	1.34	0.66	0.28	4.27	1.83	0.42	0.28	1.47	1.00	0.31
11	2.56	3.88	0.48	0.75	1.58	4.89	1.47	0.39	0.63	2.27	0.30	0.31
12	3.48	3.90	0.27	1.15	2.97	5.75	0.42	0.38	1.32	2.71	0.81	0.56
1 p. m.	6.10	2.44	0.08	0.58	4.60	5.33	0.37	0.48	2.94	2.77	0.25	0.57
2	8.31	2.79	0.22	0.76	5.59	4.81	—	0.60	3.03	2.53	0.08	0.56
3	8.09	3.18	0.40	0.78	6.03	4.88	—	0.38	3.87	1.89	0.11	0.19
4	6.12	2.67	0.90	0.76	4.99	3.83	0.30	0.24	3.06	1.72	0.25	0.13
5	4.16	2.14	0.29	0.56	2.80	2.85	0.44	0.26	1.45	1.20	0.25	0.29
6	1.28	1.01	1.05	0 79	1.14	0.96	0.20	0.13	0.33	0.82	0.90	0.14
7	0.44	0.35	0.68	0.40	0.58	0.48	0.28	0.27	0.07	0.45	0.55	0.17
8	0.24	0.14	0.74	0.30	0.29	0.30	0.65	0.13	0.15	0.37	0.42	0.07
9	0.09	0.12	0.63	0.22	0.29	0.37	0.26	0.07	0.08	0.50	0.44	0.02
10	0.16	0.07	0.54	0.24	0.24	0.46	0.27	0.02	0.02	0.44	0.44	0.11
11	0.17	0.10	0.42	0.16	0.20	0.44	0.35	0.02	0.03	0.28	0.25	—
12	0.20	0.14	0.35	0.10	0.10	0.40	0.31	0.02	—	0.12	0.18	0.04
Monthly Means.	1.85	1.28	0.59	0.43	1.39	1.88	0.52	0.20	0.74	0.89	0.32	0.17

TABLE 7. Continued.

Hours of mean Batavia Time.	July.				August.				September.			
	N.	E.	S	W.	N.	E.	S.	W.	N.	E.	S.	W.
1 a. m.	0.16	0.03	0.10	0.12	0.14	0.17	0.31	—	0.21	0.14	0.25	0.10
2	0.05	0.03	0.05	—	0.19	0.26	0.32	—	0.20	0.26	0.64	0.24
3	0.07	0.02	—	—	0.31	0.22	0.29	0.09	0.22	0.27	0.78	0.26
4	0.07	0.03	0.05	0.01	0.24	0.27	0.27	0.08	0.09	0.06	0.46	0.18
5	0.07	0.15	0.07	0.01	0.16	0.15	0.22	0.06	0.06	0.07	0.35	0.19
6	0.01	0.07	0.10	0.05	0.20	0.26	0.23	0.04	0.09	0.05	0.40	0.19
7	0.06	0.08	0.03	—	0.25	0.42	0.78	0.12	0.40	0.33	1.08	0.46
8	0.19	0.38	0.34	0.04	0.23	0.64	1.63	0.17	0.04	0.23	2.48	0.63
9	0.28	0.77	0.96	0.30	0.02	0.84	2.33	0.58	0.27	1.47	2.72	1.12
10	0.46	1.83	0.97	0.38	0.60	3.11	1.02	0.76	0.41	2.86	1.66	0.79
11	1.45	2.85	0.73	0.29	1.31	4.30	1.16	0.44	1.09	3.22	1.16	1.04
12	1.95	3.84	0.47	0.16	2.03	4.90	0.38	0.27	3.56	2.98	0.55	0.97
1 p. m.	3.36	3.68	—	0.33	5.28	3.90	0.42	0.30	7.09	1.99	0.53	0.36
2	4.88	3.04	0.15	0.13	7.26	4.58	0.26	0.30	8.42	2.90	0.04	0.34
3	4.89	2.98	0.14	0.23	8.46	5.62	—	0.15	8.47	2.23	0.04	0.70
4	4.54	2.50	0.24	0.25	7.56	5.06	—	0.35	6.87	2.44	0.08	1.13
5	2.53	1.47	0.18	0.25	5.18	3.81	—	0.24	5.07	2.09	0.38	0.90
6	0.57	0.72	0.34	0.20	2.24	1.74	0.09	0.24	1.62	1.09	0.38	0.49
7	0.47	0.38	0.16	0.16	0.53	0.92	0.45	0.18	0.57	0.34	0.18	0.46
8	0.17	0.32	0.23	0.35	0.26	0.35	0.20	0.16	0.45	0.34	0.98	0.61
9	0.08	0.10	0.24	0.06	0.26	0.28	0.16	0.09	0.24	0.36	0.78	0.40
10	0.09	0.05	0.12	0.11	0.19	0.33	0.61	0.17	0.28	0.44	0.29	0.23
11	—	0.02	0.16	0.06	0.11	0.15	0.47	0.05	0.12	0.38	0.78	0.34
12	0.05	—	0.34	0.18	0.11	0.12	0.27	0.02	0.19	0.21	0.50	0.21
Monthly Means.	1.10	1.06	0.26	0.15	1.80	1.77	0.49	0.20	1.92	1.11	0.73	0.51

TABLE 7. Continued.

Hours of mean Batavia Time.	October.				November.				December.			
	N.	E.	S.	W.	N.	E.	S.	W.	N.	E.	S.	W.
1 a. m.	—	0.11	0.30	0.18	0.06	0.02	0.25	0.20	0.22	—	0.02	0.41
2	0.10	0.05	0.30	0.17	0.05	0.04	0.18	0.20	0.21	—	0.07	0.39
3	0.12	0.11	0.34	0.21	0.09	0.06	0.08	0.20	0.04	—	0.09	0.29
4	0.03	0.08	0.25	0.11	0.17	0.06	0.02	0.18	0.06	—	0.10	0.29
5	0.08	0.04	0.16	0.10	0.04	0.08	0.07	0.11	0.08	0.01	—	0.14
6	—	0.11	0.44	0.30	0.08	0.11	0.13	0.19	0.28	0.01	0.07	0.19
7	0.10	0.20	0.91	0.38	0.24	0.16	0.30	0.69	0.27	0.03	0.15	0.42
8	0.23	0.23	1.45	0.60	0.28	0.57	0.48	0.99	0.35	0.05	0.34	1.08
9	0.21	0.96	2.48	1.06	1.06	0.93	0.66	1.44	0.92	0.43	0.32	1.93
10	0.57	1.68	1.68	1.44	1.51	1.54	0.73	2.13	1.31	1.05	0.64	2.37
11	1.68	2.35	1.09	1.64	2.31	1.85	0.34	2.56	3.03	1.57	0.07	2.67
12	3.54	2.91	0.98	1.38	3.71	2.87	0.40	2.52	4.23	1.44	0.28	2.58
1 p. m.	5.68	2.68	0.31	1.25	6.75	2.04	0.20	2.22	5.71	1.42	0.22	1.94
2	6.79	1.44	0.31	1.14	5.96	1.85	0.17	2.16	5.22	1.26	0.39	1.91
3	6.14	1.65	0.10	1.84	5.33	1.72	0.22	1.56	4.38	0.65	0.25	1.44
4	4.63	1.07	0.87	2.17	3.60	1.25	1.04	1.71	2.60	0.27	0.23	1.02
5	2.40	1.10	0.74	1.26	1.24	0.74	0.80	1.27	0.99	0.22	0.49	0.93
6	0.98	0.31	0.63	0.94	0.41	0.34	0.45	0.60	0.42	0.04	0.29	0.50
7	0.34	0.18	1.21	0.95	0.11	0.15	0.32	0.57	0.20	0.01	0.28	0.34
8	0.26	0.04	1.17	0.78	0.06	0.15	0.40	0.51	0.07	—	0.17	0.16
9	0.04	0.04	1.35	0.65	0.05	0.04	0.15	0.26	0.09	0.04	0.05	0.24
10	0.02	0.09	1.00	0.49	0.06	0.06	0.09	0.17	0.26	0.04	0.13	0.48
11	0.15	0.24	1.06	0.33	0.07	0.17	0.15	0.30	0.06	0.04	0.14	0.33
12	0.10	0.17	0.56	0.30	0.06	0.06	0.34	0.37	0.17	0.02	0.04	0.27
Monthly Means.	1.42	0.74	0.82	0.82	1.39	0.70	0.33	0.96	1.30	0.36	0.20	0.93

TABLE 8. Daily means of the North and East Components of the Wind in 1890.

Velocity in kilometers per hour.

	January.		February.		March.		April.		May.		June.	
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.
1	1.35	—3.69	3.39	—1.96	2.85	0.29	—0.22	—2.65	0.46	—1.62	—0.23	0.79
2	1.74	—2.60	1.86	—2.08	2.23	0.33	1.72	0.70	0,30	0.91	0.22	—0.13
3	0.06	—3.18	0.59	—2.34	0.95	0.21	0.41	—1.57	0.75	1.33	0.63	2.73
4	1.53	—2.44	—0.37	—2.57	1.61	—1.63	0.72	—1.96	2.09	1.95	—0.32	3.55
5	2.79	—1.60	0.42	—2.40	1.43	—1.84	0.36	—0.35	1.06	0.24	1.03	2.18
6	4.80	—3.42	1.17	—2.20	1.96	—3.22	1.22	1.55	1.09	0.81	0.25	—0.11
7	4.04	—1.25	0.13	—1.26	1.32	—1.27	2.89	2.52	0.73	3.34	0.88	0.98
8	3.53	—0.91	1.49	—1.83	2.03	—0.99	—1.09	0.30	0.12	0.46	0.25	—0.19
9	3.27	—1.29	1.51	—1.12	3.00	0.56	0.73	1.65	1.40	2.54	0.96	0.00
10	1.48	—1.17	0.73	—1.80	2.75	0.40	0.70	1.13	0.46	0.00	1.02	0.42
11	1.59	—1.42	1.78	—0.87	0.05	—0.98	1.90	1.95	—0.58	0.85	0.18	—0.53
12	1.93	—3.10	0.16	—1.10	1.55	2.48	2.60	2.16	0.84	0.02	1.24	0.99
13	3.88	—2.28	1.44	—0.26	2.06	1.97	1.99	3.80	1.33	0.03	0.87	0.01
14	2.18	—2.95	0.21	—0.88	2.07	2.51	2.22	3.40	0.70	0.18	—0.20	—1.05
15	2.27	—2.18	1.79	—0.85	1.48	—0.30	2.07	2.42	0.50	4.51	0.84	—0.17
16	2.53	—1.59	1.51	0.59	0.82	—1.11	2.89	—0.13	1.30	1.54	0.52	—0.14
17	1.89	—1.16	2.76	—0.85	2.72	—1.75	0.61	—0.49	1.33	1.21	0.22	—0.08
18	0.64	0.17	2.93	—1.83	3.75	—0.17	1.41	0.09	—0.64	3.25	—0.42	1.33
19	0.00	—0.67	1.31	—4.36	3.18	0.74	0.89	2.01	—1.40	4.18	—1.31	3.07
20	1.50	—1.27	0.32	—2.15	3.26	1.21	0.73	1.42	1.05	3.33	0.49	1.67
21	2.31	—0.56	—0.08	—4.35	2.95	—0.72	0.33	0.18	1.25	2.72	0.36	—0.40
22	2.41	—0.68	0.58	—4.19	1.28	—1.64	1.20	0.86	1.70	2.88	0.79	0.60
23	0.95	—3.94	0.84	—1.46	2.34	—1.52	1.31	—0.23	1.04	2.64	1.04	0.72
24	2.14	—3.25	1.45	—1.61	1.48	—0.16	1.42	—0.67	0.91	2.62	0.77	1.58
25	0.64	—4,54	1.22	—0.64	1.47	—1.71	2.11	2.79	0.78	1.29	—0.10	0.45
26	0.36	—2.49	—0.66	—2.51	2.56	—4.93	1.72	2.19	0.46	0.53	0.48	0.47
27	1.76	—1.52	1.25	2.73	1.46	—4.75	1.74	1.00	0.97	2.73	0.74	0.64
28	—0.26	—4.40	1.55	1.11	3.20	—4.94	1.78	0.96	1.35	1.69	1.02	0.76
29	3.01	—0.87			1.40	—1.30	0.98	0.82	1.51	1.04	0.79	0.24
30	6.06	—1.24			—0.55	—3.54	0.51	—0.24	2.87	2.31	—0.24	0.97
31	6.14	—2.36			—0.52	—2.22			1.26	2.61		
Means.	2.21	—2.06	1.12	—1.54	1.88	—0.97	1.26	0.85	0.87	1.68	0.43	0.71

	July.		August.		September.		October.		November.		December.	
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.
1	0.20	3.72	—0.59	0.87	2.90	2.03	0.24	—0.91	1.28	0.68	1.53	0.49
2	0.42	—0.47	0.43	1.25	0.34	0.54	—0.07	0.10	2.80	1.41	1.94	1.39
3	0.14	—0.13	1.67	0.95	1.52	0.71	—0.03	0.20	1.09	1.61	1.26	0.64
4	0.27	1.50	0.55	—0.06	—0.72	—0.82	1.20	—0.10	0.52	—0.04	0.99	1.15
5	0.92	0.66	1.53	1.60	1.95	1.76	2.01	0.96	1.58	1.81	0.87	0.32
6	2.02	1.22	1.30	1.73	2.60	2.12	1.43	1.11	—0.10	0.46	1.38	0.64
7	1.64	1.24	2.02	1.43	2.34	2.84	0.38	0.05	—0.21	—1.67	1.72	1.06
8	—0.97	2.28	1.55	0.86	2.36	1.53	0.96	1.26	1.54	—1.67	0.93	1.19
9	1.08	1.44	1.55	2.59	1.04	6.42	0.62	0.90	1.68	—1.09	0.26	1.86
10	1.19	0.45	0.48	1.22	1.71	1.92	2.11	2.66	1.09	—0.41	1.44	0.40
11	1.35	0.94	2.04	4.09	—0.48	—2.08	0.65	0.97	0.29	—1.32	1.11	—0.43
12	0.26	1.28	1.04	4.27	1.56	0.15	0.73	1.17	0.44	—2.87	0.28	—0.17
13	0.44	0.85	1.99	1.01	1.86	1.16	0.77	—3.56	1.80	1.32	—0.58	—0.21
14	1.40	—0.04	1.60	1.42	1.59	0.51	—0.18	—4.41	1.29	2.39	0.78	—0.07
15	0.76	—0.34	1.64	1.98	—0.55	—0.02	—0.60	—3.81	0.58	—1.01	0.64	—1.44
16	1.62	—0.26	2.61	—0.21	0.63	1.05	0.31	—1.47	2.39	—3.39	1.29	—1.39
17	1.04	1,16	1.81	—0.35	0.90	—0.09	—1.65	—0.84	1.41	—1.89	0.88	—1.75
18	2.02	1.82	0.42	4.09	1.82	—0.54	1.98	—0.78	0.84	—1.61	1.66	—1.94
19	1.31	1.25	—0.07	6.54	0.08	0.22	0.67	—0.64	1.18	—1.86	1.55	—1.12
20	1.12	—0.17	1.27	—0.58	0.54	0.14	0.62	0.41	1.34	—2.48	1.36	—1.08
21	0.04	1.62	1.07	0.43	0.14	0.14	—1.77	—1.15	—0.10	—3.07	0.56	—2.08
22	0.78	3.10	0.14	0.85	0.53	—0.56	0.05	—0.68	—0.25	—0.83	1.67	—1.83
23	—0.27	2.72	1.23	3.19	0.76	—1.47	1.44	0.21	0.16	—0.66	0.84	—1.33
24	0.69	0.11	1.59	2.11	2.34	0.94	—0.37	1.00	0.91	0.25	—0.24	—1.70
25	0.63	0.59	1.69	0.63	2.87	1.87	1.56	0.32	0,58	0.12	2.18	—2.81
26	1.37	0.11	1.44	—0.55	1.63	—0.12	0.02	1.50	1.66	2.11	0.34	—2.96
27	1.54	1.33	1.13	0.72	2.45	0.21	1.02	1.41	2.03	2.54	0.39	—1.53
28	0.65	—0.22	1.24	—0.03	0.58	—0.35	0.63	0.32	2.18	1.81	1.37	—2.03
29	0.75	0.40	1.18	1.21	0.65	—1.51	1.55	0.71	1.85	1.04	1.73	—1.35
30	0.93	—0.02	2.08	2.56	—0.28	—0.68	0.79	0.10	—0.12	0.51	1.43	0.19
31	0.89	—0.12	2.73	2.69			1.63	0.64			2.77	—0.15
Means.	0.85	0.90	1.30	1.56	1.19	0.60	0.60	—0.08	1.06	—0.26	1.11	—0.58

TABLE 9. Mean Electrical Potential of the Atmosphere in 1890.

In Volts.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1 a. m.	9.4	19.8	21.6	15.6	13.7	14.6	36.4	43.8	93.0	115.4	105.1	75.1
2	8.9	20.2	18,6	15.7	14.5	12.3	29.8	45.0	87.0	96.6	102.7	61.4
3	9.3	17.5	20.2	15.0	15.6	12.6	24.2	44.7	88.2	94.1	93.7	57,5
4	7.3	15.4	19.5	13.1	15.5	12.3	19.6	38,3	89.6	87.0	87.8	60.3
5	7.7	14.3	18.8	12.9	15.1	12.2	23.3	39.4	80.1	89 1	90.5	57.1
6	8.1	15.7	20.6	12.0	14.7	15.2	27.8	52.0	87.8	103.3	106.0	67.2
7	12.2	20.4	19.5	14.5	15.6	15.6	49.3	78.6	103.0	114.6	112.3	85.7
5	8.9	13.8	14.5	10.1	11.1	12.1	84.2	88.3	84.5	98.6	89.7	56.4
9	6.4	8 3	10.7	6.5	7.7	7.8	74.3	58.5	64.1	68.2	59.4	39.4
10	3.9	5.5	5.7	3.7	3 8	4.4	48.7	37.2	39.4	52.3	38.7	22.5
11	3.2	4.6	5.0	4.1	2.9	3.3	50.2	29.7	35,6	44.8	32.0	22.6
12	2.2	4.2	4.3	2.0	2.9	3.5	36.0	26.3	34.3	43.4	47.3	23.4
1 p. m.	2.6	4.6	3.7	3.2	3.5	3.7	43.4	26.2	35.0	42.0	36.2	25.4
2	2.3	6.0	4.8	3.5	2.4	4.2	44.4	21.8	36.7	47 6	37.5	28.7
3	2.9	4.5	7.4	3.0	3.5	3.9	45.0	35.7	38.5	57.9	39.7	38.2
4	2.9	5.4	6.9	3.0	4.2	5.0	48.0	37.8	48.9	63.9	50.3	54.9
5	5.3	6.9	10.2	5.6	7.2	6.2	67.2	49.1	51.3	78.8	59.4	50.7
6	5.3	8.9	12.0	8.2	10.0	9.5	104.1	68.3	69.6	114.6	79.6	61.8
7	9.2	13.2	17.3	9.5	9 9	13.1	120.0	95.8	98.2	154.1	106.6	85.1
8	10.7	15.2	16.5	14.0	12.7	14.0	97.4	95.5	114.5	135.0	123.9	96.0
9	11.2	16.6	17.3	13.7	13 1	11.2	79.5	87.6	108.1	154.8	118.8	103.4
10	10.8	17.9	17.6	14.5	12.4	12 8	65.7	76.3	99.0	133 1	122.0	93.6
11	11.3	19.5	18.9	14.8	15.3	13.5	51.3	62.3	87 3	129.8	127 3	87.9
12	9.4	20.2	19.5	14.3	14.9	13.6	29.6	53.4	86.6	124.9	111.5	69.7
Monthly Means.	7.14	12.44	13.80	9.69	10.09	9.86	54.14	53.82	73.35	93.50	82.42	59.33

TABLE 9A. Mean Electrical Potential of the Atmosphere, on Non-Rainy Hours in 1890.

In Volts.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1 a. m.	9.4	20.2	21.6	15.3	14.2	14.7	36.4	43.8	92.5	115.4	106.2	77.1
2	8.9	20.2	18.8	15.7	14.7	13.0	29.8	45.0	87.0	98.6	101.8	62.8
3	9.3	18.1	21.0	15.0	15.5	13.3	24.7	44.7	88.2	94.4	90.4	59.5
4	8.1	16.5	21.0	13.1	15.5	12.4	22.8	38.3	89.6	87.7	94.8	61.5
5	7.9	15.4	20.5	13.2	15.1	12.2	26.6	39.4	80.1	89.3	95.0	57.6
6	8.1	19.3	21.1	12.0	14.7	15,0	29.5	52 0	87.8	103.3	109 3	69.0
7	12.2	21 3	20.5	15.3	15.6	16.2	52.0	78.6	109.1	114.6	112.3	88.3
8	8.9	13.0	15 6	10.1	11.4	12.2	84.2	90 9	78.9	98.6	84.8	56.4
9	6.4	8,4	9.8	6.5	6 9	7.2	74.3	58.5	63.3	68.2	59.4	39.4
10	3.9	5.3	5.7	3.7	3.3	4.3	50.2	37.2	39.2	52 3	38.7	25.8
11	3.2	5.0	4.9	4.1	2.8	3.3	50.2	29.7	35.9	44.8	31.3	24.6
12	2.7	4.0	4.3	2.0	2.9	3.5	36.0	26.3	34.8	39.8	44.1	23 8
1 p. m.	2.7	4.6	3.2	3.2	3 5	3.7	43.4	26.2	35.2	40.8	31.0	23.0
2	2.0	6.0	4.7	3.5	2.4	4.2	44.5	21.8	36.7	44.1	35.0	28.9
3	2.5	4.5	7.0	3.0	3.5	3.9	46.1	35.3	37.4	57.9	36.1	36.3
4	3.3	4.9	6.9	3.0	4.1	5.0	48.0	37.8	48 9	63.9	50 3	49 0
5	5.5	5 2	10 5	5.6	7.2	6.2	73.5	49.1	51.3	78.8	54.5	51.9
6	5.3	8.5	12.9	8.2	9 2	9.5	108.6	68.3	67.6	114.5	75 3	73.7
7	9.1	11.9	17.5	9.5	9.9	13.1	125.4	95.8	98.2	150.4	105.5	90.0
8	10.1	15.2	16.5	14.0	13 0	14.4	102.2	103.5	114 5	137.9	123.1	96.0
9	10.4	16 5	17.3	14.0	13.1	11.6	79.5	83.7	108.1	154.8	122.6	103.4
10	10 8	18.2	17.7	15.0	12.3	12.6	65.7	76.3	110 2	138.4	126.5	93.6
11	12.3	19.1	19.7	15.9	15.3	13.5	51.3	62.3	90.8	133 5	127.4	87.9
12	9.8	20.1	19.7	14.9	14.9	14.1	31.5	53.4	90.7	125.6	108.7	73.1
Monthly Means.	7.16	12 56	14.10	9.83	10.04	9.96	55.68	54.08	74.00	93.65	81.84	60.53

TABLE 10. Absolute Maxima and Minima in 1890.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.		Velocity of the wind. k. p. h.
	Max	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Maximum.
January . . .	761.24	753.99	33.1	21.7	957	466	24.75	16.90	19.3
February . . .	762.33	754.30	32.5	21.8	974	489	23.45	16.94	15.3
March	761.46	753.67	31.1	21.8	983	589	24.76	18.16	16.1
April	761.53	754.93	31.9	22.1	982	560	23.64	17.70	14.5
May.	760.76	754.73	31.2	22 2	982	540	24.51	17.34	16.1
June	761.06	755.52	30.9	22.0	982	598	23.65	16.51	13.7
July.	761.90	755.82	30.4	21.3	973	542	22.33	17.19	14.5
August. . . .	761.51	755.92	31.4	20.8	982	495	23.13	15 53	20.9
September. . .	761.78	755.17	31.7	20.4	965	381	22.56	12.15	22.5
October . . .	761.76	755.53	31.9	22 0	973	526	23.46	17.45	14.5
November. . .	762.00	756.56	32.2	20.2	973	457	22.73	14.92	16.1
December. . .	761.81	755.40	31.2	21 7	965	592	23.83	18.06	13.7
Year. . . .	762.33	753.67	33.1	20.2	983	381	24.76	12.15	22.5

TABLE 11. Maxima and Minima of daily Means in 1890.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.		Velocity of the wind. k. p. h.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January . . .	759.97	756 14	27.79	24.53	885	688	21.46	18.66	6.80	2.43
February . . .	760.99	756.03	27.70	23.83	924	731	21.26	19.09	4.80	1.43
March	759.85	755.57	27.25	24.46	920	797	22.32	19.87	6.24	1.97
April	760.24	756.59	27.43	25.30	874	795	22.32	19.75	5.47	1.13
May.	759.35	756.25	27.21	25.31	906	790	22 54	20.09	4.96	1.27
June	760.00	757.20	26.35	24.01	909	815	21.67	19.55	3.68	0.27
July.	760.47	757.49	26.35	24.00	895	787	20.55	19.48	4.10	0 27
August. . . .	760.30	757.96	26.74	23.53	890	752	21.00	17.55	6.80	1.17
September. . .	759.85	757.13	27.18	24.52	906	648	20.81	15.43	6.93	1.20
October . . .	760.48	757.59	26.96	24.43	887	759	21.51	18.63	4.69	1.37
November. . .	760.16	758.32	26.87	23.55	928	694	21.16	16.85	4,25	0.77
December. . .	760.33	757.42	26.89	23.62	930	789	21 39	19.59	3.89	0.57
Year. . . .	760.99	755.57	27.79	23.53	930	648	22.54	15.43	6.93	0.27

TABLE 12. Maxima and Minima of Oscillation or Range in 1890.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January.	4.17	1.99	9.5	2.6	421	141	4.70	1.52
February.	4.21	2.33	8.8	3.2	433	100	4.33	1.71
March	4.28	2.45	8.4	2.8	374	139	4.43	1.19
April	3.81	2.27	7.7	4 6	388	231	4 28	1.71
May	4.03	2.13	8.3	4.3	399	209	4.31	1 32
June	3.80	2.03	7.7	3 7	358	169	5.14	1.39
July	3.87	2.16	7.6	4.6	406	193	4.74	1 61
August . . . . . , ...	3.73	2.20	9.3	5.2	449	231	4.69	1.57
September	4.58	2.69	9.8	3.7	525	187	8.48	1.83
October.	4 75	2.16	8.8	4.8	388	195	3.96	1.69
November	4.04	2.41	11.9	2.4	476	130	4.93	1.28
December	3.81	2.21	7.8	3.0	353	118	5.77	1.47
Year	4.75	1.99	11 9	2.4	525	100	8.48	1.19

TABLE 13. Mean daily Oscillation or Range in 1890.

	Barometric pressure in millimetres.	Temperature of the air. Centesimal degrees.	Relative humidity of the air. Saturation = 1000.	Tension of the atmospheric vapour in millimetres.
January	3.15	6.40	289	3.02
February	3.21	6.42	281	3.05
March	3.25	6.17	278	2.87
April	3.16	6.58	302	2.85
May	2.98	6.38	295	2.88
June	2.78	5 89	267	2.85
July	2.85	6.38	287	2.88
August	3.02	7.29	335	3.05
September	3.39	7.21	346	3.56
October	3.08	6.65	311	2.84
November	3.16	6.47	294	2.61
December	3.05	5.97	272	2.99
Year	3.09	6.48	296	2.95

TABLE 14. Deviations of the Mean Monthly and Annual Values in 1890 from the average values for the years 1866—1890.

	Barometric pressure in millimetres.	Temperature of the air. Centesimal degrees.	Relative humidity. Saturation = 1000.	Tension of the atmospheric vapour in millimetres.	Cloudiness.
January	— 1.14	0.85	— 58	— 0.48	— 0.06
February	0.08	0.09	— 31	— 0.79	— 0.98
March	— 1.11	0.14	— 11	— 0.13	0.29
April	— 0.03	0.22	— 17	— 0.19	— 0.50
May	— 0.14	— 0.09	4	— 0.06	0.28
June	— 0.31	— 0.40	25	0.13	0.98
July	0.21	— 0.47	36	0.34	1.18
August	0.10	— 0.36	25	0.19	0.70
September	— 0.28	— 0.39	16	— 0.04	0.43
October	0.23	— 0.63	31	0.09	1.41
November	0.74	— 0.87	16	— 0.66	— 0.01
December	0.54	— 0.13	6	0.01	0.31
Year	— 0 09	— 0.16	3	— 0.13	0.33

N. B. The average values of the cloudiness have been deduced from the eleven-yearly series 1880—1890.

RESULTS OF MAGNETICAL OBSERVATIONS

BATAVIA

1890.

TABLE 15. Values of the Zero-line in absolute measure.

1890.	Adie's Magnetograph.			Wild's Magnetometers.		
	Easterly Declination.	Horizontal Force in c. g. s.	Vertical Force in c. g. s.	Easterly Declination.	Horizontal Force in c. g. s.	Vertical Force in c. g. s.
January	1° — 1'.81	0.36764	0.20511	1° — 44'.58	0.37189	0.20237
February	1° — 1'.72	0.36772	0.20662 R	1° — 44'.36	R	0.20283
March	1° — 1'.86	0.36792	0.20637	1° — 44'.40	0.37066	0.20333
April	1° — 2'.05	0.36825 R	0.20599 R	1° — 44'.60	0.37122	0.20388
May	1° — 2'.07	0.36839	0.20594	1° — 44'.60	0.37163	0.20408
June	1° — 2'.25	0.36834	0.20622	1° — 44'.69	0.37191	0.20423
July	1° — 2'.44	0.36834	0.20642	1° — 44'.52	0.37214	0.20447
August	1° — 2'.60	0.36843	0.20625	1° — 44'.26	0.37232	0.20460
September	1° — 2'.58	0.36850	0.20619	1° — 44'.21	0.37108 R	0.20250 R
October	1° — 2'.52	0.36875*	0.20629	1° — 44'.04	—	0.20276
November	1° — 2'.43	0.36899	0.20629	1° — 44'.02	0.37226	0.20296
December	1° — 2'.37	0.36903	0.20605	1° — 44'.41	R	0.20310

N. B. The letter R denotes that the instrument has been readjusted.

* By Interpolation.

TABLE 16. Monthly Means in absolute measure.

Minutes of arc and c. g. s. unity.

1890.	E. Declination. 1°30'.00 +	Horizontal Force. 0.36800 +	Vertical Force. 0.19700 +	Total Force. 0.41800 +	S. Inclination. 28°0'.00 +
January	13'.00	291.0	536.3	452.3	36'.97
February	12'.48	291.0	577.3	472.0	39'.89
March	12'.45	303.5	603.8	495.7	41'.29
April	12'.43	324.8	629.1	526.5	42'.26
May	12'.20	331.7	630.2	533.1	42'.07
June	12'.10	331.7	638.8	537.2	42'.69
July	11'.77	326.1	642.9	534.3	43'.20
August	11'.36	323.1	648.9	534.5	43'.74
September	10'.96	315.7	687.5	546.6	46'.79
October	10'.80	331.4	697.1	565.0	46'.85
November	10'.46	356.7	694.8	586.0	45'.70
December	9'.91	356.6	689.9	583.6	45'.36
Year	11'.66	323.6	639.7	530.5	43 .07

TABLE 17. Mean diurnal variation of Easterly Declination for each month of the year 1890.

Uncorrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.02	— 0.06	— 0.08	0.15	— 0.05	0.07	— 0.03	0.12	0.11	— 0.13	— 0.28	— 0 02	— 0.01
2	— 0.02	— 0.06	— 0 03	0 29	0.09	0.21	0.16	0 15	0.23	0.01	— 0.19	— 0.07	0.06
3	— 0.09	— 0.08	— 0.13	0.28	0.08	0.25	0.24	0.28	0.32	0.02	— 0.27	— 0.21	0.06
4	— 0.28	— 0.09	— 0.22	0.20	0.12	0.28	0.38	0.39	0.39	0.10	— 0.36	— 0.37	0.05
5	— 0.45	— 0.24	— 0.29	0.10	0.18	0.32	0.45	0.55	0 48	— 0.12	— 0.54	— 0 66	— 0.02
6	— 1.05	— 0.72	— 0.35	0.14	0.56	0.43	0.60	0.92	0.78	— 0.25	— 1.00	— 1.36	— 0.11
7	— 1.75	— 1.50	— 0.67	0 03	0.98	0.94	1.01	1.21	0.35	— 1.34	— 1.75	— 2.12	— 0.38
8	— 2.07	— 2.10	— 1.44	— 1.11	0.13	0.37	0 38	— 0.02	— 1.22	— 2.30	— 2.08	— 2.30	— 1.15
9	— 1.66	— 1.87	— 1.63	— 1.68	— 0.65	— 0.26	— 0.36	— 1.30	— 2.29	— 2.52	— 1.95	— 1.62	— 1.48
10	— 1.25	— 1.34	— 1.15	— 1.49	— 0.93	— 0.58	— 0.84	— 1.97	— 2.50	— 2.08	— 1.24	— 0.75	— 1.34
11	— 0.60	— 0.44	— 0.33	— 0.76	— 1.01	— 0.77	— 1.12	— 2.03	— 1.99	— 0 98	— 0.17	0.02	— 0.85
12	0.32	0.29	0.32	— 0.29	— 0.85	— 0.72	— 0.89	— 1.48	— 1.03	0.44	1.24	0.76	— 0 16
1 p. m.	0.97	1.05	0.91	0.10	— 0.25	— 0.44	— 0.52	— 0.72	— 0.10	1.64	2.08	1 27	0.50
2	1.23	1.33	1.16	0.49	0.27	0 08	0.02	0.22	0.84	2.06	2.21	1.40	0.94
3	1.39	1.43	1.12	0.89	0.70	0.52	0.69	1.09	1.42	1.77	1.95	1.52	1.21
4	1.19	1.22	0.74	1.01	0.84	0.52	0.78	1.21	1.28	1.24	1.28	1.18	1.04
5	0.93	0.94	0 69	0.75	0.58	0.33	0.57	1.00	1.08	0.95	0 81	0.93	0.80
6	0.66	0.71	0.57	0.43	0.09	— 0.17	— 0.09	0.32	0.61	0.70	0.39	0.62	0.40
7	0.70	0.45	0.37	0.25	— 0.08	— 0.23	— 0.22	0.17	0.43	0.53	0.28	0.45	0 26
8	0.58	0.40	0.29	0.10	— 0.15	— 0.27	— 0.21	0.02	0.39	0.41	0.16	0.49	0.18
9	0.47	0.31	0.21	0.03	— 0.15	— 0.29	— 0.27	— 0.02	0 18	0 14	— 0.05	0.37	0.08
10	0.36	0.18	0.02	— 0.02	— 0.19	— 0.31	— 0.31	— 0.13	0.10	— 0.03	— 0.08	0.24	— 0.01
11	0.29	0.16	— 0.03	0.07	— 0.07	— 0.13	— 0.17	— 0.08	0.08	— 0.12	— 0.14	0.24	0 01
12	0.10	— 0.01	— 0.15	0.02	— 0.13	— 0.13	— 0.16	— 0.01	0.05	— 0.20	— 0.30	— 0.01	— 0.08
Total amount of variation.	18.43	16.98	12.90	10.68	9.13	8.62	10.47	15.41	18.25	20.08	20.80	18.98	11.18

TABLE 18. Mean diurnal variation of Horizontal Force for each month of the year 1890.

Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 8.1	— 8.4	— 9.6	— 10.7	— 10.7	— 8.9	— 9.2	— 11.3	— 11.5	— 10.4	— 4.9	— 9.2	— 9.4
2	— 7.7	— 7.7	— 9.5	— 9.5	— 9.5	— 8.1	— 7.8	— 9.4	— 10.2	— 7.9	— 4.8	— 8.9	— 8.4
3	— 6.5	— 6.2	— 7.9	— 8.0	— 8.0	— 7 4	— 6.8	— 8.6	— 7.2	— 5.7	— 5 0	— 8 5	— 7.1
4	— 4.9	— 5.2	— 6.0	— 6.4	— 6.1	— 6.2	— 6.1	— 6.5	— 5.3	— 4.8	— 3.8	— 7.5	— 5.7
5	— 4.0	— 3.9	— 4.5	— 4.4	— 4.8	— 3.6	— 3.9	— 4.4	— 3.7	— 3.1	— 3.6	— 5.9	— 4.1
6	0.1	— 1.7	— 3.7	— 1.0	— 0.1	0.1	— 0.2	— 0.7	— 0.8	— 2.8	— 0.1	— 2.2	— 1.1
7	2.8	1.0	0.6	4.4	6.3	6.2	6.9	8.0	6.4	2.9	4.0	4.2	4.5
8	8.8	8.4	8.4	14.4	14 6	13.8	14.1	18.1	17.9	10.8	10.8	12.0	12.7
9	15.4	15.6	17.9	22.6	20.3	20.5	19.2	26.2	25.8	20.3	19.6	18.6	20.2
10	23.0	22.0	24.1	30.9	25.4	24.7	24.4	32.1	32.9	26.4	23.8	23.6	26.1
11	26.3	24 5	30 7	35.2	28,3	26.3	26.8	32 8	35.3	29.9	24.4	25.6	28.9
12	23.1	23.1	30.1	29.2	23.1	21.0	24.4	27.7	31.2	28.8	21.3	21.3	25.4
1 p. m.	14.0	14.7	21.8	18.5	15 9	12.9	15.5	18.7	19.8	20.7	13.1	11.6	16.4
2	5.6	7.3	10.7	7.1	7.6	4.3	5 5	7.8	5.3	9.0	3 6	4.2	6.5
3	— 1.5	0.1	— 1 2	— 3.4	— 0.5	— 3.7	— 4 6	— 5 6	— 6.9	0.6	— 4.8	— 1 9	— 2.8
4	— 6.1	— 6.3	— 6.7	— 9.2	— 7 3	— 9.1	— 9.5	— 13.0	— 11.3	— 6.3	— 9.1	— 3.7	— 8.1
5	— 9.8	— 8.7	— 9.8	— 12.1	— 10.8	— 11 9	— 11.0	— 15.0	— 14.0	— 13.0	— 10.6	— 5.5	— 11.0
6	— 10.0	— 9.0	— 10.8	— 12.7	— 10 1	— 10.5	— 10.5	— 13.7	— 14.6	— 14.9	— 11.7	— 7.5	— 11.3
7	— 10.5	— 8.9	— 11.9	— 13.5	— 11.1	— 9.9	— 10.7	— 14 4	— 14.7	— 15.5	— 11.0	— 8.1	— 11.7
8	— 9.3	— 8.6	— 12.0	— 14.5	— 10 8	— 9.3	— 11.3	— 13.7	— 15.3	— 14.0	— 12 0	— 9.0	— 11.6
9	— 9.9	— 10.8	— 12.6	— 14.6	— 12.7	— 10.8	— 11.1	— 13.6	— 15.0	— 14.6	— 10.8	— 10.5	— 12.2
10	— 9 8	— 9.5	— 12.8	— 14.8	— 13.0	— 10.2	— 11.3	— 14.5	— 14.8	— 14.0	— 11.1	— 11.1	— 12 2
11	— 11.1	— 11.1	— 13.3	— 14.5	— 13 2	— 11.3	— 11.8	— 13.6	— 14 5	— 10.2	— 11.2	— 11.3	— 12.2
12	— 9.4	— 10.1	— 11 1	— 12 7	— 11.8	— 9.2	— 10.4	— 13.9	— 14 0	— 12.4	— 6 4	— 9.9	— 10 9
Total amount of variation.	237.7	232.8	287.7	324.3	282.0	259.9	273 0	343.3	348.4	299.0	241.5	241.8	280.5

TABLE 19. Mean diurnal variation of Vertical Force for each month of the year 1890.

Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	8.8	8.1	7.1	4.0	3.8	3.2	3.6	4.0	5.1	4.4	3.1	5.3	5.1
2	8.5	7.0	6.5	2.8	2.7	2.3	2.2	2.0	4.5	2.8	3.3	5.1	4.2
3	6.8	5.2	5.0	2.0	1.1	1.2	1.1	0.8	1.9	0.9	2.7	3.8	2.7
4	5.8	4.0	4.3	1.3	0.3	0.4	1.1	—0.7	0.7	0.4	2.3	3.2	1.9
5	5.3	2.8	3.1	0.6	—0.3	—0.7	—0.3	—2.4	—0.8	0.1	1.5	2.0	0.9
6	5.9	4.3	3.0	—2.0	—5.0	—4.5	—3.9	—6.3	—2.9	2.4	2.2	3.9	—0.2
7	5.8	5.3	4.0	—1.3	—6.8	—8.3	—8.4	—9.3	0.1	5.3	1.7	0.8	—0.9
8	—4.2	—0.5	0.9	—1.8	—6.3	—8.7	—8.0	—7.7	—0.7	2.0	—3.0	—5.7	—3.6
9	—10.5	—11.3	—10.2	—9.6	—7.8	—10.9	—10.7	—8.8	—6.6	—7.6	—11.6	—12.2	—9.8
10	—19.0	—21.7	—21.4	—19.5	—10.7	—12.3	—11.4	—12.5	—13.7	—17.6	—18.8	—16.3	—16.2
11	—25.3	—28.2	—29.6	—24.4	—12.5	—12.4	—13.1	—15.4	—19.8	—26.8	—25.9	—17.4	—20.9
12	—27.8	—28.5	—30.3	—19.4	—12.3	—10.7	—12.0	—14.9	—20.9	—29.1	—26.5	—15.2	—20.6
1 p. m.	—21.9	—22.8	—22.5	—13.6	—12.3	—7.4	—7.8	—12.5	—16.9	—22.3	—18.5	—9.3	—15.6
2	—13.8	—14.5	—12.1	—8.1	—9.0	—5.5	—6.3	—8.7	—11.0	—10.9	—7.6	—3.6	—9.2
3	—5.3	—3.5	—0.8	—1.5	—4.2	—2.0	—3.7	—2.7	—3.3	—1.4	2.5	—0.9	—2.2
4	2.0	3.3	5.3	4.5	1.9	3.8	1.7	3.7	3.3	5.8	8.1	0.8	3.7
5	8.5	8.3	8.5	9.7	8.8	10.5	8.2	10.5	8.7	11.7	11.6	4.9	9.2
6	10.1	10.7	11.0	11.8	11.7	12.8	12.0	13.0	11.5	13.5	12.5	7.1	11.5
7	10.3	11.7	12.0	12.1	11.5	10.9	11.1	13.1	11.6	13.8	11.5	7.2	11.4
8	10.3	12.1	12.7	12.8	10.8	10.2	11.4	13.1	12.1	13.5	11.9	7.5	11.6
9	10.0	13.3	12.4	12.2	10.8	9.9	10.3	12.4	11.6	12.3	11.0	7.8	11.2
10	9.9	12.2	12.2	11.2	10.0	8.0	9.2	11.7	11.1	11.2	10.5	8.1	10.5
11	10.3	12.4	11.2	9.9	8.1	6.6	7.8	9.7	9.6	8.4	9.2	7.6	9.3
12	8.7	10.7	8.2	6.8	5.3	3.7	5.2	7.9	5.1	7.5	5.7	5.6	6.7
Total amount of variation.	254.8	262.4	254.3	202.9	174.0	166.9	170.5	203.8	193.5	231.7	223.2	161.3	199.1

TABLE 20. Mean diurnal variation of Southerly Inclination for each month of the year 1890.

Uncorrected for disturbances, minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.94	0.91	0.88	0.71	0.69	0.57	0.61	0.73	0.81	0.73	0.41	0.73	0.73
2	0.90	0.80	0.84	0.57	0.57	0.48	0.46	0.51	0.71	0.51	0.42	0.71	0.62
3	0.74	0.62	0.67	0.46	0.39	0.37	0.34	0.39	0.41	0.29	0.39	0.60	0.47
4	0.60	0.49	0.54	0.35	0.26	0.27	0.31	0.21	0.25	0.22	0.31	0.52	0.36
5	0.53	0.35	0.40	0.22	0.17	0.09	0.13	0.00	0.08	0.13	0.25	0.37	0.22
6	0.41	0.37	0.36	—0.10	—0.35	—0.33	—0.27	—0.42	—0.18	0.29	0.16	0.36	0.02
7	0.30	0.34	0.26	—0.26	—0.73	—0.84	—0.87	—0.97	—0.25	0.27	—0.03	—0.11	—0.24
8	—0.65	—0.36	—0.26	—0.69	—1.02	—1.17	—1.13	—1.26	—0.75	—0.28	—0.64	—0.88	—0.76
9	—1.36	—1.41	—1.43	—1.57	—1.35	—1.59	—1.52	—1.65	—1.49	—1.33	—1.59	—1.60	—1.49
10	—2.26	—2.41	—2.47	—2.60	—1.76	—1.85	—1.77	—2.15	—2.27	—2.28	—2.27	—2.09	—2.18
11	—2.84	—2.97	—3.31	—3.11	—2.00	—1.92	—1.99	—2.38	—2.80	—3.08	—2.80	—2.25	—2.63
12	—2.89	—2.94	—3.34	—2.52	—1.78	—1.59	—1.81	—2.14	—2.72	—3.20	—2.72	—1.92	—2.47
1 p.m.	—2.41	—2.20	—2.46	—1.69	—1.50	—1.04	—1.17	—1.62	—1.98	—2.40	—1.83	—1.12	—1.76
2	—1.20	—1.32	—1.28	—0.85	—0.94	—0.56	—0.67	—0.92	—1.00	—1.13	—0.68	—0.43	—0.91
3	—0.32	—0.25	—0.01	0.03	—0.28	0.00	—0.09	0.03	0.03	—0.12	0.37	0.01	—0.05
4	0.38	0.48	0.64	0.69	0.42	0.62	0.49	0.77	0.67	0.67	0.94	0.20	0.58
5	0.99	0.93	0.99	1.17	1.05	1.21	1.01	1.34	1.16	1.35	1.24	0.56	1.08
6	1.11	1.12	1.21	1.34	1.23	1.32	1.26	1.46	1.38	1.55	1.35	0.80	1.26
7	1.14	1.18	1.32	1.39	1.26	1.16	1.21	1.50	1.40	1.60	1.25	0.83	1.27
8	1.10	1.20	1.38	1.48	1.19	1.09	1.25	1.47	1.45	1.54	1.32	0.88	1.28
9	1.10	1.37	1.38	1.44	1.27	1.12	1.17	1.42	1.41	1.35	1.21	0.96	1.27
10	1.09	1.24	1.37	1.38	1.22	0.96	1.10	1.40	1.36	1.35	1.18	1.01	1.22
11	1.17	1.32	1.32	1.28	1.10	0.91	1.01	1.23	1.25	1.00	1.09	0.98	1.14
12	0.98	1.16	1.02	0.98	0.84	0.62	0.77	1.11	0.91	1.03	0.66	0.78	0.90
Total amount of variation	27.11	27.74	29.14	26.88	23.37	21.68	22.41	27.08	26.72	27.70	25.11	20.70	24.91

TABLE 21. Mean diurnal variation of Total Force for each month of the year 1890.

Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 2.9	— 3.5	— 5.0	— 7.5	— 7.6	— 6.3	— 6.4	— 8.0	— 7.6	— 7.0	— 2.8	— 5.5	— 5.8
2	— 2.7	— 3.4	— 5.2	— 7.0	— 7.1	— 6.0	— 5.8	— 7.3	— 6.8	— 5.6	— 2.6	— 5.4	— 5.3
3	— 2.5	— 3.0	— 4.6	— 6.1	— 6.5	— 5.9	— 5.5	— 7.1	— 5.4	— 4.6	— 3.0	— 5.6	— 4.9
4	— 1.5	— 2.7	— 3.2	— 5.0	— 5.2	— 5.2	— 4.9	— 6.0	— 4.3	— 4.1	— 2.2	— 5.0	— 4.0
5	— 1.0	— 2.1	— 2.5	— 3.6	— 4.4	— 3.5	— 3.6	— 5.0	— 3.7	— 2.7	— 2.4	— 4.2	— 3.1
6	2.9	0.5	— 1.9	— 1.8	— 2.5	— 2.1	— 2.1	— 3.6	— 2.1	— 1.3	1.0	— 0.1	— 1.0
7	5.2	3.4	2.4	3.2	2.2	1.5	2.0	2.6	5.6	5.0	4.4	4.1	3.6
8	5.7	7.1	7.8	11.8	9.7	7.9	8.5	12.2	15.3	10.4	8.1	7.8	9.4
9	8.4	8.2	10.8	15.2	14.0	12.7	11.7	18.8	19.4	14.1	11.7	10.5	13.0
10	11.0	8.8	10.8	17.7	17.1	15.8	15.9	22.2	22.3	14.7	11.9	12.9	15.1
11	10.9	7.9	12.7	19.1	18.8	17.1	17.2	21.4	21.4	13.3	9.0	14.1	15.3
12	6.9	6.5	11.8	16.3	14.3	13.3	15.6	17.2	17.3	11.2	6.0	11.4	12.4
1 p. m.	1.7	1.9	8.3	9.7	8.0	7.8	9.8	10.4	9.2	7.4	2.6	5.7	6.9
2	— 1.8	— 0.6	3.5	2.3	2.3	1.1	1.8	2.7	— 0.7	2.6	— 0.5	1.9	1.3
3	— 3.9	— 1.6	— 1.5	— 3.7	— 2.5	— 4.2	— 5.8	— 6.2	— 7.7	— 0.2	— 3.0	— 2.1	— 3.5
4	— 4.4	— 4.0	— 3.4	— 5.9	— 5.5	— 6.1	— 7.5	— 9.6	— 8.3	— 2.8	— 4.0	— 2.9	— 5.3
5	— 4.5	— 3.7	— 4.6	— 6.0	— 5.3	— 5.4	— 5.7	— 8.1	— 8.1	— 5.8	— 3.7	— 2.5	— 5.2
6	— 4.0	— 2.8	— 4.2	— 5.5	— 3.3	— 3.0	— 3.5	— 5.8	— 7.3	— 6.6	— 4.2	— 3.2	— 4.3
7	— 4.3	— 2.2	— 4.7	— 6.0	— 4.2	— 3.4	— 4.1	— 6.3	— 7.3	— 7.0	— 4.1	— 3.6	— 4.7
8	— 3.2	— 1.8	— 4.5	— 6.6	— 4.3	— 3.3	— 4.5	— 5.7	— 7.6	— 5.8	— 4.8	— 4.3	— 4.6
9	— 3.9	— 3.1	— 5.1	— 6.9	— 6.0	— 4.7	— 4.8	— 6.0	— 7.6	— 6.9	— 4.1	— 5.5	— 5.3
10	— 3.9	— 2.5	— 5.4	— 7.6	— 6.6	— 5.1	— 5.5	— 7.1	— 7.7	— 6.9	— 4.6	— 5.8	— 5.6
11	— 4.8	— 3.8	— 6.3	— 8.0	— 7.7	— 6.7	— 6.6	— 7.2	— 8.1	— 4.9	— 5.4	— 6.3	— 6.2
12	— 4.1	— 3.8	— 5.8	— 7.9	— 7.8	— 6.3	— 6.7	— 8.4	— 9.8	— 7.3	— 2.8	— 6.0	— 6.3
Total amount of variation.	106.1	88.9	136.0	190.4	172.9	154.4	165.5	214.9	220.6	158.2	108.9	136.4	152.1

TABLE 22. Mean diurnal variation of Declination in the year 1890.

Observed by means of Wild's magnetometer.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.03	—0.02	—0.07	0.19	—0.02	0.06	0.00	0.08	0.15	—0.06	—0.17	0.00	0.02
2	—0.03	—0.07	—0.04	0.26	0.08	0.18	0.14	0.17	0.22	—0.04	—0.22	—0.06	0.05
3	—0.15	—0.10	—0.10	0.24	0.09	0.24	0.20	0.24	0.26	0.01	—0.30	—0.21	0.03
4	—0.27	—0.17	—0.23	0.17	0.13	0.29	0.29	0.33	0.32	—0.01	—0.38	—0.43	0.00
5	—0.50	—0.30	—0.32	0.04	0.16	0.34	0.36	0.48	0.39	—0.18	—0.52	—0.63	—0.06
6	—1.04	—0.72	—0.45	0.09	0.46	0.46	0.52	0.84	0.71	—0.30	—0.92	—1.27	—0.14
7	—1.84	—1.40	—0.73	0.02	0.94	1.00	1.03	1.18	0.32	—1.23	—1.52	—1.93	—0.35
8	—1.95	—1.91	—1.30	—1.00	0.33	0.56	0.52	0.18	—1.01	—2.02	—1.67	—1.94	—0.94
9	—1.58	—1.77	—1.51	—1.62	—0.54	—0.13	—0.24	—1.15	—2.14	—2.24	—1.63	—1.40	—1.33
10	—1.14	—1.24	—6.98	—1.44	—0.90	—0.53	—0.80	—1.87	—2.45	—1.93	—1.02	—0.60	—1.24
11	—0.57	—0.53	—0.34	—0.81	—1.01	—0.78	—1.04	—1.99	—1.96	—0.96	—0.13	0.06	—0.84
12	0.34	0.26	0.34	—0.27	—0.86	—0.79	—0.94	—1.45	—1.04	0.49	0.91	0.58	—0.20
1 p. m.	0.97	1.05	0.91	0.08	—0.30	—0.49	—0.54	—0.73	—0.17	1.54	1.64	1.21	0.43
2	1.26	1.31	1.15	0.46	0.26	0.02	—0.00	0.21	0.78	1.95	1.77	1.28	0.87
3	1.41	1.43	1.12	0.92	0.73	0.50	0.64	1.04	1.41	1.78	1.65	1.27	1.17
4	1.31	1.30	0.87	1.06	0.96	0.67	0.90	1.38	1.44	1.40	1.24	1.23	1.15
5	0.99	1.03	0.74	0.86	0.68	0.39	0.62	1.06	1.17	0.97	0.81	0.83	0.84
6	0.63	0.70	0.57	0.44	0.09	—0.19	—0.02	0.40	0.64	0.62	0.37	0.47	0.40
7	0.62	0.41	0.34	0.25	—0.09	—0.30	—0.21	0.17	0.44	0.44	0.30	0.41	0.23
8	0.50	0.33	0.22	0.07	—0.24	—0.36	—0.29	—0.03	0.29	0.21	0.17	0.36	0.10
9	0.40	0.22	0.09	—0.07	—0.27	—0.38	—0.38	—0.17	0.12	0.00	—0.01	0.33	—0.01
10	0.33	0.09	—0.06	—0.04	—0.32	—0.39	—0.33	—0.19	0.05	—0.16	—0.04	0.18	—0.07
11	0.21	0.09	—0.18	0.01	—0.23	—0.26	—0.26	—0.14	—0.02	—0.20	—0.10	0.13	—0.08
12	0.10	0.00	—0.04	0.10	—0.16	—0.12	—0.16	—0.01	0.12	—0.09	—0.20	0.02	—0.04
Total amount of variation.	18.17	16.45	12.70	10.51	9.85	9.43	10.43	15.49	17.62	18.83	17.69	16.93	10.59

TABLE 23. Mean diurnal variation of Horizontal Force in the year 1890.

Observed by means of Wild's magnetometer.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 7.8	— 7.6	— 9.5	— 9.6	— 10.0	— 8.0	— 8.4	— 10.0	— 10.7	— 9.6	— 4.4	— 8.2	— 8.7
2	— 7.1	— 6.4	— 8.9	— 7.9	— 8.2	— 7.1	— 6.2	— 8.6	— 8.7	— 6.7	— 4.0	— 8.2	— 7.3
3	— 5.7	— 5.0	— 7.1	— 6.3	— 6.5	— 6.0	— 5.7	— 6.9	— 6.5	— 4.4	— 4.0	— 7.8	— 6.0
4	— 4.0	— 3.4	— 4.8	— 4.5	— 4.5	— 4.4	— 4.4	— 4.6	— 3.7	— 2.8	— 2.8	— 6.1	— 4.2
5	— 2.5	— 2.5	— 3.1	— 2.1	— 3.0	— 1.9	— 1.9	— 2.6	— 1.8	— 1.5	— 1.8	— 4.5	— 2.4
6	1.6	— 0.6	— 2.3	1.0	2.2	1.5	1.9	1.0	0.7	— 1.3	1.2	— 0.9	0.5
7	4.4	2.2	1.8	6.6	8.1	7.5	7.7	10.2	8.0	4.6	5.4	5.5	6.0
8	10.1	9.6	8.4	15.9	16.1	14.1	14.8	20.0	19.0	11.8	11.8	12.7	13.7
9	16.5	16.6	18.8	24.1	21.4	21.1	20.2	28.0	26.6	21.4	20.4	19.4	21.2
10	24.5	23.3	24.9	32.5	26.3	25.3	24.7	33.0	33.2	27.2	23.9	23.5	26.9
11	26.7	25.0	30.7	35.8	28.5	26.2	27.0	32.8	33.9	29.4	24.2	25.3	28.8
12	22.7	23.2	29.5	28.4	22.9	20.9	24.1	26.5	29.7	28.1	20.6	19.5	24.7
1 p. m.	13.1	14.2	20.7	16.6	14.9	12.4	14.7	17.1	18.1	19.9	11.5	10.1	15.3
2	4.0	6.6	9.3	4.7	5.8	3.0	3.8	5.5	3.2	7.6	2.3	2.7	4.9
3	— 2.6	— 0.7	— 2.1	— 5.6	— 2.2	— 4.8	— 6.2	— 7.8	— 8.5	— 0.8	— 6.2	— 3.1	— 4.2
4	— 8.1	— 7.7	— 8.5	— 12.3	— 9.9	— 11.0	— 11.9	— 15.8	— 13.4	— 8.5	— 10.5	— 5.4	— 10.2
5	— 11.0	— 10.7	— 11.5	— 14.4	— 13.2	— 13.7	— 12.8	— 17.4	— 15.7	— 14.5	— 11.7	— 6.7	— 12.7
6	— 11.2	— 11.1	— 12.0	— 14.5	— 12.0	— 12.0	— 11.8	— 15.1	— 15.4	— 16.6	— 12.2	— 8.5	— 12.7
7	— 11.8	— 10.6	— 12.9	— 15.3	— 12.7	— 11.0	— 11.6	— 15.6	— 15.6	— 16.9	— 11.9	— 8.7	— 12.9
8	— 10.8	— 10.2	— 12.7	— 15.5	— 11.8	— 10.1	— 12.3	— 14.6	— 15.8	— 15.9	— 12.4	— 8.9	— 12.6
9	— 10.3	— 11.2	— 13.1	— 15.0	— 13.3	— 11.2	— 11.4	— 13.7	— 14.7	— 14.7	— 10.7	— 10.3	— 12.5
10	— 10.2	— 10.8	— 12.2	— 15.1	— 13.3	— 10.5	— 11.9	— 14.5	— 14.5	— 13.8	— 11.2	— 10.6	— 12.4
11	— 10.9	— 11.4	— 12.1	— 14.5	— 13.0	— 10.8	— 11.8	— 13.4	— 13.8	— 10.2	— 10.8	— 10.9	— 12.0
12	— 9.7	— 11.1	— 11.4	— 13.2	— 12.3	— 9.7	— 10.4	— 14.0	— 13.8	— 12.0	— 6.5	— 9.7	— 11.2
Total amount of variation.	247.3	241.7	288.3	331.4	292.1	264.2	277.6	348.7	345.0	300.2	242.4	237.2	284.0

TABLE 24. Mean diurnal variation of Vertical Force in the year 1890.

Observed by means of Wild's magnetometer.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	5.3	6.3	5.8	5.4	2.5	1.3	1.3	2.6	3.4	5.2	1.6	4.2	3.8
2	5.8	6.1	5.6	4.0	2.0	0.8	0.6	2.1	3.3	4.1	4.1	4.5	3.6
3	5.2	5.5	5.4	4.4	1.6	1.1	0.8	1.8	3.0	3.2	2.7	5.7	3.4
4	5.3	5.2	5.1	4.5	1.6	1.5	1.6	1.6	2.8	3.9	5.6	4.8	3.7
5	5.8	5.3	5.5	5.0	2.3	1.8	1.7	1.6	3.2	4.8	6.6	4.5	4.0
6	7.5	7.4	6.7	3.4	— 1.4	— 0.6	— 0.4	— 0.3	2.4	8.9	7.5	7.4	4.2
7	7.7	9.6	8.9	5.2	— 2.2	— 3.2	— 3.1	— 1.5	7.9	14.9	9.7	5.8	5.1
8	2.7	5.9	8.1	4.1	— 0.4	— 2.5	— 1.6	0.4	9.5	11.7	5.8	0.9	3.7
9	— 2.6	— 2.2	— 1.6	— 3.3	— 1.0	— 3.3	— 2.9	— 0.1	3.9	1.2	— 2.6	— 5.9	— 1.7
10	— 10.6	— 12.2	— 13.8	— 13.2	— 4.5	— 5.8	— 4.2	— 4.2	— 6.4	— 11.5	— 12.3	— 11.9	— 9.2
11	— 16.9	— 19.6	— 23.2	— 20.5	— 7.5	— 7.4	— 6.9	— 7.2	— 15.5	— 25.2	— 21.5	— 13.4	— 15.5
12	— 20.1	— 21.5	— 25.9	— 17.9	— 9.0	— 7.6	— 7.5	— 9.7	— 19.8	— 30.5	— 25.0	— 14.2	— 17.4
1 p. m.	— 16.6	— 18.8	— 20.4	— 13.4	— 10.6	— 6.0	— 5.3	— 9.0	— 17.6	— 25.8	— 18.8	— 9.2	— 14.3
2	— 10.8	— 13.8	— 11.9	— 9.1	— 7.6	— 5.2	— 5.0	— 7.8	— 13.1	— 14.8	— 9.5	— 4.6	— 9.5
3	— 5.1	— 4.9	— 2.9	— 4.2	— 5.6	— 3.0	— 3.9	— 4.3	— 7.1	— 5.7	— 1.2	— 3.3	— 4.3
4	0.2	0.3	2.4	0.9	— 0.2	1.4	— 0.2	0.5	— 0.7	1.4	4.1	— 1.9	0.7
5	4.3	3.2	4.1	4.7	4.7	6.2	4.1	4.6	3.7	7.1	6.1	0.9	4.5
6	4.6	4.5	5.3	6.2	7.2	7.8	6.9	6.0	5.4	7.4	6.1	2.4	5.8
7	4.2	4.6	5.9	6.1	6.3	5.6	5.7	5.1	5.1	7.9	5.1	2.8	5.4
8	3.9	4.6	5.6	6.6	5.2	4.5	5.2	4.7	5.4	7.4	5.5	2.9	5.1
9	4.0	6.1	6.1	6.0	5.5	4.4	4.3	3.7	5.3	6.8	5.3	3.5	5.1
10	4.5	5.6	6.6	6.1	5.3	3.5	3.7	4.2	5.5	6.8	5.6	4.4	5.1
11	5.6	6.5	6.9	5.2	4.2	3.0	3.2	3.1	5.3	4.8	5.5	4.7	4.7
12	5.5	6.5	5.7	4.1	2.9	1.6	2.0	3.1	4.8	6.3	3.4	4.4	4.2
Total amount of variation.	164.8	186.2	199.4	163.5	101.3	89.1	82.1	89.2	160.1	227.3	181.2	128.2	144.0

TABLE 25. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Declination — 1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	0.8	0.9	1.5	1.1	1.2	1.3	1.1	0.9	1.3	1.2	1.0	0.9
2	0.9	0.8	2.0	1.2	1.0	0.9	1.2	0.9	1.1	0.7	0.7	1.1
3	1.2	1.1	1.6	1.7	1.4	1.0	1.0	0.6	1.5	1.1	0.8	0.8
4	1.3	0.7	1.3	1.2	1.1	0.8	1.2	0.8	0.8	0.9	0.7	1.0
5	0.9	0.9	1.0	0.9	0.9	1.0	0.9	1.5	0.9	0.6	0.5	0.9
6	0.9	1.1	1.0	1.0	1.0	1.0	1.0	0.5	1.2	0.5	0.9	1.1
7	0.7	1.7	1.4	1.1	1.5	0.7	1.3	1.3	0.7	0.9	1.0	1.0
8	1.2	1.4	1.8	0.8	1.0	1.2	1.0	0.9	1.0	0.9	1.7	0.8
9	1.2	1.1	1.1	1.0	1.4	1.1	1.0	1.4	1.3	1.2	0.8	1.2
10	0.9	1.2	0.8	1.0	0.9	0.9	1.0	0.7	1.0	1.2	1.0	0.9
11	0.9	1.0	1.3	1.3	1.3	0.9	1.0	0.7	0.8	1.0	1.1	0.9
12	0.8	1.1	1.1	1.0	1.0	0.7	0.7	0.8	1.0	1.0	1.1	0.9
13	1.0	1.1	1.4	1.0	0.6	0.5	1.2	0.7	0.9	0.9	1.2	1.3
14	0.9	0.7	1.2	0.8	1.1	0.6	0.7	1.2	0.7	1.1	1.6	1.1
15	0.9	0.8	0.7	1.0	1.0	1.1	1.0	1.5	1.2	1.2	1.5	1.2
16	0.8	0.9	0.6	1.0	1.0	1.2	1.2	1.3	1.3	1.0	1.4	1.1
17	0.7	0.7	0.6	0.8	1.0	1.1	1.6	0.8	0.9	0.8	1.2	1.1
18	0.9	0.9	0.5	0.8	0.6	0.9	1.0	0.8	0.7	1.5	1.1	1.0
19	0.9	1.0	0.6	0.7	1.2	1.3	1.6	1.4	1.0	1.2	1.0	0.9
20	0.8	0.8	0.6	0.9	0.8	1.3	1.1	1.4	1.1	1.1	0.9	0.9
21	1.8	1.0	0.7	0.9	0.7	1.3	1.0	1.6	0.6	1.2	1.1	0.8
22	1.4	1.0	1.0	0.7	1.2	1.0	1.1	1.0	0.6	1.0	1.2	0.8
23	1.2	0.7	0.7	0.7	0.8	0.9	1,0	1.0	1.1	0.9	1.0	0.9
24	1.5	1.1	0.8	0.7	0.5	0.7	0.5	0.9	0.7	1.3	0.5	1.0
25	1.2	1.1	0.8	1.5	1.4	1.2	0.6	0.9	0.9	1.0	0.7	0.9
26	1.0	1.1	1.1	1.7	1.3	0.7	0.9	0.7	1.0	1.1	0.8	1.2
27	1.1	1.2	1.0	0.5	0.9	1.4	0.8	1.3	0.8	0.8	0.7	1.0
28	0.7	0.9	1.0	1.1	0.8	1.4	0.9	1.1	1.1	0.8	0.9	1.3
29	0.8		0.5	1.0	0.7	1.2	0.8	0.8	1.7	1.0	1.0	1.0
30	0.8		0.7	0.9	0.8	0.8	0.9	0.6	1.1	0.9	0.9	1.2
31	0.6		0.6		0.8		1.0	1.4		0,9		0,7
Mean ratio.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Mean amount of differences.	20.2	18.6	15.3	13.7	10.5	10.0	12.1	17.7	20.3	22.5	22.9	21.2

TABLE 26. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Horizontal Force — 1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1.1	0.5	0.8	1.5	0.8	0.9	1.0	1.3	1.2	1.1	1.0	0.9
2	1.1	1.3	0.8	0.8	1.1	1.4	1.0	0.8	1.1	0.7	1.1	1.3
3	2.4	1.4	1.4	0.8	0.8	0.9	0.7	0.8	1.4	1.4	1.0	1.2
4	1.3	0.7	1.3	1.0	1.5	1.0	1.1	0.8	1.0	1.3	0.7	1.1
5	0.7	0.7	1.2	0.9	1.0	0.8	1.1	0.9	1.0	0.6	0.4	1.0
6	1.0	1.1	1.1	1.1	0.9	0.9	1.2	0.9	0.9	0.6	0.6	0.9
7	1.0	0.9	0.9	0.9	0.7	1.2	0.8	1.0	1.1	0.8	0.7	0.7
8	1.3	0.8	0.8	1.3	0.8	1.0	1.0	1.3	0.8	1.1	1.9	0.8
9	0.6	1.1	1.6	1.0	0.8	1.0	1.0	1.0	0.8	1.6	1.0	1.3
10	1.6	1.2	1.3	1.0	1.2	1.0	0.9	1.0	0.9	1.9	1.0	0.6
11	1.6	1.0	0.9	1.5	1.6	0.8	1.0	1.0	1.2	0.7	0.8	0.7
12	1.5	1.0	1.1	1.1	0.8	1.1	0.9	0.8	1.5	1.0	0.9	0.8
13	0.9	0.7	1.0	1.3	1.0	1.1	0.8	0.8	1.1	0.8	1.5	1.2
14	1.1	0.4	1.0	1.0	1.0	0.9	0.9	0.8	0.8	1.0	0.6	0.8
15	0.9	0.5	0.7	0.9	1.0	0.9	0.8	1.5	0.8	1.6	1.0	0.9
16	1.0	0.8	0.6	0.8	1.2	0.8	1.3	1.1	0.8	0.7	1.0	1.3
17	0.7	1.4	1.1	1.1	1.5	1.4	2.0	1.0	0.8	0.9	1.1	1.2
18	1.0	1.3	1.0	1.1	1.2	0.5	1.1	0.7	0.9	1.3	1.0	0.9
19	0.9	1.2	0.9	1.2	0.8	0.8	1.3	0.9	1.1	1.0	0.7	0.9
20	0.6	1.2	0.7	0.8	1.1	0.8	0.8	1.4	0.8	0.6	0.9	1.0
21	1.0	1.4	0.8	1.0	1.3	1.4	0.7	0.8	0.8	0.6	1.3	1.2
22	1.0	1.1	1.0	1.2	1.2	1.2	1.0	0.8	0.7	0.9	0.9	0.8
23	1.0	0.8	0.8	0.6	0.9	1.2	0.9	0.9	0.9	1.0	1.0	0.7
24	0.8	1.0	1.2	0.6	1.1	1.1	0.9	0.8	0.9	1.6	1.0	0.9
25	0.8	0.8	1.1	0.9	0.9	1.1	1.0	1.0	1.4	0.6	1.2	1.4
26	0.8	1.2	1.1	0.8	0.8	0.8	1.0	1.0	1.2	1.0	1.3	0.8
27	0.7	1.5	1.2	1.0	0.7	0.9	1.0	1.2	1.1	1.2	0.7	1.1
28	0.9	0.9	1.0	1.1	0.7	0.9	1.0	1.2	1.0	0.8	1.1	0.9
29	0.7		0.9	1.0	0.9	1.0	1.2	1.0	1.2	1.1	1.3	1.1
30	0.4		1.0	0.7	1.1	1.0	0.7	1.1	0.7	0.7	1.2	1.1
31	0.7		0.9		0.9		0.9	1.3		0.9		1.1
Mean ratio.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Mean amount of differences.	261	253	301	331	296	271	284	351	368	335	267	252

TABLE 27. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Vertical Force. — 1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	0.6	1.1	1.3	1.1	0.6	1.0	0.9	1.6	1.5	1.3	1.1	1.2
2	1.0	1.4	1.9	0.8	0.9	1.2	0.5	1.0	1.4	0.7	0.6	1.1
3	1.2	1.4	1.5	1.9	0.8	0.8	0.9	1.2	1.1	1.4	0.7	0.9
4	1.0	0.8	1.1	1.0	1.1	0.6	1.2	1.0	0.6	1.1	0.8	1.4
5	0.6	1.1	0.8	1.1	0.9	0.8	1.2	1.0	0.7	0.5	0.8	1.0
6	0.9	0.4	0.7	0.8	0.7	1.1	1.0	1.0	1.3	0.6	1.2	1.1
7	0.6	1.5	1.3	1.1	0.8	1.3	0.8	1.0	0.9	1.2	0.9	0.8
8	1.1	1.3	1.7	1.3	1.0	1.1	1.0	1.6	0.7	1.0	1.1	0.5
9	1.5	0.8	1.0	1.6	0.8	0.9	1.1	0.9	0.7	1.0	1.1	1.3
10	0.6	0.9	1.0	1.0	1.0	1.0	1.1	1.0	0.8	1.4	0.9	0.6
11	0.8	0.6	1.3	1.6	1.8	1.1	1.5	1.0	0.9	0.8	1.0	0.6
12	1.2	0.7	1.0	1.2	0.8	1.0	0.9	0.8	1.1	0.9	1.2	0.7
13	1.3	0.6	0.9	1.3	1.3	0.8	0.9	1.0	0.7	1.1	1.2	1.2
14	1.4	0.6	0.8	1.0	1.3	1.0	0.9	1.1	0.9	0.7	1.1	0.6
15	1.1	0.9	0.9	0.8	1.0	0.9	0.6	0.9	0.8	1.2	1.4	0.8
16	0.9	1.7	0.7	1.0	1.0	0.8	1.2	0.7	0.7	1.0	1.3	1.4
17	0.8	0.9	0.9	1.1	1.1	0.8	1.4	0.7	0.7	1.0	0.9	1.2
18	0.9	1.1	0.4	0.8	1.1	0.5	1.0	0.8	0.8	1.0	0.9	1.1
19	0.7	0.9	0.5	1.0	0.9	1.3	1.0	0.6	0.5	1.1	1.3	0.8
20	0.8	0.8	0.6	0.6	1.1	0.9	0.9	0.8	0.9	0.8	0.9	1.2
21	1.2	1.2	0.8	0.6	1.1	1.2	0.7	0.8	0.8	0.9	1.4	1.2
22	1.2	1.1	1.1	0.9	1.2	1.3	1.0	0.9	1.2	0.9	1.1	0.9
23	1.3	0.6	0.6	0.5	0.6	1.4	0.8	1.0	1.1	0.8	1.2	0.7
24	0.6	1.2	1.4	0.7	1.0	1.0	1.1	0.9	1.6	1.6	1.0	0.7
25	1.2	0.9	0.8	0.8	1.2	1.1	1.1	0.9	1.8	1.1	1.1	1.5
26	0.5	1.0	1.1	0.7	0.7	1.0	0.8	0.9	1.3	1.1	0.5	1.0
27	1.4	1.4	1.2	1.2	1.1	1.0	1.3	1.3	1.1	1.1	0.9	0.9
28	1.0	0.7	0.9	1.3	1.2	1.0	0.6	1.2	0.8	0.6	1.2	1.4
29	1.2		0.6	0.8	1.0	1.2	1.4	1.2	1.9	0.9	0.8	1.1
30	1.5		1.0	0.6	1.0	0.8	1.5	1.1	0.8	1.0	0.5	1.2
31	1.0		1.0		1.1		0.9	1.3		1.0		0.8
Mean ratio.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Mean amount of differences.	282	293	277	225	194	188	191	221	228	258	240	184

TABLE 28. Mean hourly and monthly Amount of Deviations, positive and negative taken conjointly. — Declination 1890. — Unity = 0'.1.

	January	February.	March	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	1.9	2.3	2.0	2.0	1.1	1.6	1.5	1.4	2.2	2.8	2.2	2.3	1.92
2	2.2	2.2	2.5	1.7	1.4	1.6	1.5	2.0	1.8	2.4	2.5	2.7	2.04
3	2.2	2.0	2.3	1.6	1.4	1.3	2.1	1.5	2.2	2.7	2.7	3.3	2.12
4	3.6	2.3	1.9	1.9	1.7	1.4	1.7	1.8	2.2	2.5	2.7	2.9.	2.21
5	4.1	2.1	2.0	2.1	1.6	1.1	1.9	2.0	1.8	2.5	2.9	2.9	2.27
6	4.9	2.9	3.3	3.0	2.4	1.4	2.2	1.8	3.1	2.9	5.9	4.1	3.16
7	4.3	4.0	4.8	4.7	3.2	3.2	3.1	3.2	5.4	3.9	4.3	4.3	4.02
8	4.0	2.9	4.0	5.8	3.1	3.5	3.5	4.5	6.1	2.9	4.0	3.2	3.95
9	4.8	4.3	3.8	3.2	3.2	3.5	4.1	5.2	4.6	3.9	5.1	4.7	4.18
10	6.2	4.5	4.4	2.9	2.7	2.7	3.1	3.4	2.6	4.0	7.3	6.7	4.22
11	7.2	5.2	6.9	5.0	2.8	3.3	3.9	3.4	3.9	4.5	8.3	6.2	5.04
12	6.1	4.3	6.1	6.2	3.2	2.9	4.1	5.2	5.4	6.5	6.6	6.4	5.25
1 p. m.	5.4	4.3	5.2	5.8	4.1	2.8	5.0	5.9	7.9	4.8	4.4	4.7	5.04
2	4.9	3.7	4.0	3.9	4.7	3.1	4.5	5.7	6.4	3.3	3.1	4.0	4.29
3	4.5	3.4	4.0	4.1	3.1	4.1	2.4	4.3	4.3	4.5	2.6	3.9	3.77
4	3.5	3.1	3.2	3.7	2.5	3.0	2.8	2.5	3.6	4.7	3.5	3.8	3.32
5	4.4	3.5	2.9	2.8	2.9	1.9	3.1	2.7	2.9	4.3	3.1	3.1	3.12
6	3.7	2.9	3.0	2.4	2.4	2.8	2.5	2.7	2.3	3.0	2.8	2.6	2.75
7	2.6	2.1	2.1	2.4	1.7	2.6	2.2	2.2	1.6	2.4	2.5	2.6	2.25
8	2.5	1.8	1.9	2.3	1.6	2.0	2.2	2.3	1.9	2.2	3.4	2.6	2.22
9	2.0	1.9	2.0	2.1	1.6	1.6	1.8	2.4	2.3	2.7	2.8	2.2	2.12
10	2.2	1.5	2.3	1.7	1.1	1.4	2.1	2.1	1.9	3.2	2.0	2.2	1.98
11	2.1	1.7	2.1	1.5	1.3	1.9	1.4	2.8	2.1	2.8	1.3	2.1	1.93
12	2.0	1.8	2.3	2.0	1.3	1.8	1.7	1.8	2.0	2.2	2.4	2.1	1.94
Monthly Means.	3.80	2.94	3.29	3.12	2.32	2.36	2.69	3.03	3.36	3.39	3.68	3.55	3.13

TABLE 29. Mean hourly and monthly Amount of Deviations, positive and negative taken conjointly. — Horizontal Force 1890. — Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	3.7	3.3	5.1	2.4	3.4	2.3	1.7	3.5	5.1	4.3	3.9	3.1	3.48
2	4.1	3.1	4.2	2.4	3.2	2.6	2.9	2.8	4.6	5.3	3.5	4.2	3.58
3	3.5	2.7	3.0	2.6	2.5	2.7	2.4	2.7	4.8	6.3	4.0	3.5	3.38
4	3.9	3.3	2.4	1.9	2.9	3.3	2.3	3.1	5.1	5.2	4.2	2.7	3.36
5	3.8	3.5	3.7	2.4	3.0	3.6	3.1	2.9	5.4	5.0	5.0	2.3	3.65
6	5.5	4.6	3.1	2.8	3.4	3.4	4.2	2.9	5.6	5.4	5.7	2.9	4.11
7	4.9	4.6	3.9	3.8	3.8	3.8	4.1	3.2	4.0	6.2	4.5	2.8	4.13
8	4.5	3.5	3.8	4.2	4.5	4.2	4.8	3.2	3.0	6.2	3.5	3.6	4.09
9	4.2	3.8	4.0	3.9	3.9	3.5	3.8	4.5	4.6	4.9	3.3	3.8	4.02
10	4.8	4.4	3.7	4.0	3.6	2.8	4.0	4.3	5.2	5.5	5.1	4.2	4.30
11	5.1	4.0	3.3	4.5	3.9	3.1	4.8	4.1	4.6	4.5	4.8	2.8	4.11
12	4.8	2.9	4.5	3.6	4.1	4.0	4.0	3.6	4.8	5.1	5.2	3.2	4.15
1 p. m.	4.9	4.8	5.3	3.9	4.2	5.1	4.9	4.7	4.8	7.6	5.7	4.1	5.00
2	5.8	5.1	5.1	5.2	5.5	4.7	5.3	6.3	7.0	9.9	6.5	4.5	5.92
3	5.1	5.1	5.5	5.0	5.1	5.2	4.7	7.1	6.6	7.2	6.0	4.4	5.59
4	4.9	5.1	4.8	5.0	3.7	3.8	4.4	7.1	5.5	5.0	5.5	3.4	4.84
5	5.4	3.1	3.7	4.3.	3.3	2.6	3.7	4.7	6.8	7.9	5.3	3.0	4.48
6	4.1	3.4	3.5	3.2	3.9	3.4	2.5	3.7	5.6	7.2	4.9	3.7	4.09
7	4.7	2.6	3,1	3.0	3.8	2.9	2.2	3.7	4.5	6.6	3.8	2.7	3.65
8	4.0	2.9	2.6	3.0	3.7	2.6	3.1	2.9	4.8	6.0	3.7	4.0	3.63
9	4.4	4.4	3.5	2.8	3.7	2.2	2.7	4.0	5.6	5.0	4.4	4.3	3.91
10	3.5	3.0	4.0	3.4	3.7	2.7	2.8	2.5	4.8	5.8	3.5	4.4	3.71
11	3.0	3.5	4.2	3.1	2.9	2.7	3.0	2.8	4.4	5.2	4.3	3.2	3.55
12	4.5	3.2	3.1	4.1	3.2	3.0	3.0	2.9	5.9	3.5	4.6	2.8	3.65
Monthly Means.	4.48	3.74	3.87	3.52	3.71	3.34	3.52	3.88	5.13	5.87	4.62	3.49	4.10

TABLE 30. Mean hourly and monthly Amount of Deviations, positive and negative taken conjointly. — Vertical Force 1890. — Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year
1 a. m.	2.8	2.6	3.6	2.2	3.2	2.1	2.5	2.7	3.2	3.3	2.0	2.6	2.73
2	3.0	3.1	2.8	2.8	3.3	2.7	2.3	2.6	3.2	3.2	2.1	3.1	2.85
3	2.6	3.3	3.3	3.2	2.7	3.1	2.7	3.4	3.5	3.5	2.6	2.7	3.05
4	2.9	3.9	3.6	3.4	2.6	2.8	2.5	3.4	3.9	3.1	3.1	2.7	3.15
5	4.0	4.6	3.7	3.5	2.3	3.2	3.4	3.5	4.2	3.1	3.0	3.3	3.48
6	4.8	6.1	4.6	4.2	2.5	3.1	3.8	4.2	4.6	2.7	3.8	3.9	4.01
7	5.4	5.5	4.2	4.5	3.6	3.5	4.2	4.6	4.1	3.1	3.2	3.4	4.11
8	8.4	8.1	6.4	4.8	6.6	4.5	3.8	4.6	5.9	6.2	6.2	5.9	5.94
9	8.3	7.6	6.1	5.7	6.3	4.3	3.9	4.5	6.4	6.3	5.8	5.3	5.86
10	6.5	7.1	5.3	5.2	5.7	4.2	5.0	5.5	5.2	6.2	5.1	5.1	5.49
11	5.9	5.8	4.4	4.5	4.2	4.0	5.4	5.8	4.5	4.8	4,3	3.8	4.79
12	5.1	5.2	4.9	4.3	3.3	4.1	4.5	4.9	4.6	3.9	4.4	3.7	4.40
1 p. m.	6.7	5.6	5.5	4.3	6.3	5.3	4.8	6.3	4.7	4.3	4.8	5.5	5.36
2	7.2	7.5	5.4	5.5	6.0	5.5	6.3	6.9	5.2	5.8	4.7	5.8	5.98
3	9.4	7.9	5.4	5.4	4.5	4.5	5.5	6.9	5.3	5.7	5.4	5.2	5.92
4	8.3	6.1	4.3	4.2	4.1	3.6	5.1	5.0	3.6	5.2	4.9	3.5	4.82
5	6.0	5.5	3.4	3.2	3.0	2.4	2.4	4.1	3.6	4.8	2.8	2.9	3.68
6	4.5	4,6	3.6	2.9	2.4	2.3	2.1	2.3	3.2	4.0	3.2	2.8	3.15
7	2.9	3.1	2.5	2.1	1.9	2.1	1.5	2.0	2.7	3.5	2.7	1.6	2.37
8	2.5	2.3	2.5	2.0	2.2	1.9	2.1	1.7	2.7	2.7	2.9	2.1	2.30
9	2.9	2.7	2.8	2.1	2.0	1.9	2.1	2.5	3.1	2.5	3.2	2.3	2.51
10	3.3	3.0	3.3	2.1	2.4	2.1	2.0	2.5	3.0	2.9	2.3	2.8	2.64
11	3.5	3.6	3.7	2.8	3.0	2.5	1.9	2.4	2.4	2.7	2.8	2.3	2.80
12	3.5	3.5	3.0	2.7	3.4	2.4	2.6	3.0	3.4	2.7	2.7	2.5	2.95
Monthly Means.	5.02	4.93	4.09	3.65	3.64	3.26	3.43	3.97	4.01	4.01	3.67	3.54	3.93

TABLE 31. Aggregate values and numbers of disturbances, positive and negative taken separately.

1890.	Declination in minutes of arc.				Horizontal Force. Unity = 0.00001 c. g. s.				Vertical Force. Unity = 0.00001 c. g. s.			
	Aggregate values.		Numbers.		Aggregate values.		Numbers.		Aggregate values.		Numbers.	
	Positive.	Negative.	Positive.	Negative.	Positive.	Negative.	Positive	Negative.	Positive.	Negative.	Positive.	Negative.
January .	23.1	35.6	17	25	287	330	17	20	508	505	32	29
February	9.9	5.0	6	4	61	122	4	7	458	327	29	19
March . .	15.7	13.2	11	11	130	169	8	11	168	195	10	12
April . .	9.5	24.5	6	18	119	108	7	7	148	75	10	5
May. . .	4.2	6.2	3	5	223	163	13	9	183	175	11	12
June . .	0.0	1.2	0	1	43	170	3	10	101	41	6	3
July . .	7.4	7.5	6	6	110	151	7	10	121	69	8	5
August .	7.0	11.1	5	9	124	284	8	16	283	158	18	10
September.	23.8	20.9	16	14	403	672	20	36	251	144	16	11
October .	18.9	10.5	14	8	723	864	42	42	388	88	23	6
November.	29.0	30.2	18	23	382	483	22	20	85	149	6	9
December.	20.1	19.5	14	12	42	64	3	4	29	132	2	9
Total amount.	168.6	185.4	116	136	2647	3580	154	192	2723	2058	171	130

TABLE 32. Aggregate values, numbers of disturbances, and mean daily value and number, positive and negative taken conjointly.

1890.	Declination in minutes of arc.				Horizontal Force. Unity = 0.00001 c. g. s.				Vertical Force. Unity = 0.00001 c. g. s.			
	Aggregate values.	Numbers.	Mean daily value.	Mean daily number.	Aggregate values.	Numbers.	Mean daily value.	Mean daily number.	Aggregate values.	Numbers.	Mean daily value.	Mean daily number.
January . .	58.7	42	1.89	1.4	617	37	19.9	1.2	1013	61	32.7	2.0
February .	14.9	10	0.53	0.4	183	11	6.5	0.4	785	48	28.0	1.7
March . .	28.9	22	0.93	0.7	299	19	9.6	0.6	363	22	11.7	0.7
April. . .	34.0	24	1.13	0.8	227	14	7.6	0.5	223	15	7.4	0.5
May . . .	10.4	8	0.34	0.3	386	22	12.5	0.7	358	23	11.5	0.7
June . . .	1.2	1	0.04	0.0	213	13	7.1	0.4	142	9	4.7	0.3
July . . .	14.9	12	0.48	0.4	261	17	8.4	0.5	190	13	6.1	0.4
August . .	18.1	14	0.58	0.5	408	24	13.2	0.8	441	29	14.2	0.9
September .	44.7	30	1.49	1.0	1075	56	35.8	1.9	395	26	13.2	0.9
October . .	29.4	22	0.95	0.7	1587	84	51.2	2.7	476	29	15.4	0.9
November .	59.2	41	1.97	1.4	865	42	28.8	1.4	234	15	7.8	0.5
December .	39.6	26	1.28	0.8	106	7	3.4	0.2	161	11	5.2	0.4
Total amount.	354.0	252	11.61	8.4	6227	346	204.0	11.3	4781	301	158.9	9.9
Means.			0.968	0.70			17.00	0.94			13.24	0.83

TABLE 33. Mean temperature of Magnetograph- and Magnetometer-rooms, observed at 7h. 30m. a. m. and at Noon respectively. — 1890.

	Magnetograph.	Magnetometer.		Magnetograph.	Magnetometer.
January.	29.53	27.94	July	28.81	27.24
February	28.86	27.26	August	28.66	27.49
March	29.58	27.90	September	29.18	27.80
April	30.00	28.29	October	29.04	27.66
May	29.99	28.35	November	28.44	26.77
June	29.09	27.64	December	28.96	27.39
			Year	29.18	27.67

TABLE 34. Solar Diurnal Variation. — Easterly Declination.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight.

1890.	a₁	b₁	a₂	b₂	A₁	C₁	A₂	C₂
January	0′.11	—1′.12	0′.20	0′.65	1′.13	174°.23	0′.68	16°.70
February	0.05	—1.02	0.09	0.68	1.02	177.25	0.68	7.33
March	—0.03	—0.74	0.05	0.56	0.74	182.17	0.57	4.97
April	0.26	—0.46	—0.22	0.62	0.53	150.58	0.66	340.38
May	0.11	—0.06	—0.43	0.34	0.13	118.18	0.54	308.27
June	0.09	0.15	—0.35	0.27	0.18	31.42	0.44	307.53
July	0.13	0.10	—0.49	0.34	0.17	52.45	0.59	304.65
August	0.44	—0.19	—0.77	0.59	0.48	113.57	0.97	307.27
September	0.52	—0.61	—0 59	0.86	0.80	139.48	1.05	325.48
October	0.01	—1.08	0.03	1.06	1.07	179.47	1.06	1.73
November	—0.39	—1.11	0.39	0.91	1.18	199.12	0.99	23.35
December	—0.10	—1.17	0.41	0.66	1.17	184.75	0.77	31.97
Year	0.10	—0.61	—0.14	0.63	0.62	170.50	0.65	347.80

TABLE 35. Solar Diurnal Variation. — Horizontal Force.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight. — Unity = 0.00001 c. g. s.

1890.	a₁	b₁	a₂	b₂	A₁	C₁	A₂	C₂
January	—13.48	6.11	5.98	—3.63	14.80	294°.40	7.00	121°.23
February	—13.55	5.24	5.87	—3.15	14.53	291.15	6.66	118.20
March	—16.79	5.92	7.98	—2.93	17.81	289.42	8.50	110.15
April	—18.11	8.90	7.65	—4.92	20.18	296.17	9.09	122.73
May	—16.04	7.35	5.57	—4.48	17 63	294.62	7.14	128.82
June	—13.78	7.63	5.50	—5.43	15.76	298.97	7.73	134.63
July	—14.59	7.81	5.93	—4.89	16.55	298.17	7.69	129.52
August	—18.05	10.25	7.43	—6.38	20.76	299.58	9.79	130 65
September	—18.64	10 63	7.83	—6.03	21.46	299·70	9.88	127.62
October	—16.88	8.04	8.24	—2.82	18.70	295.47	8.71	108.92
November	—12.45	8.03	6.37	—3.91	14 82	302.82	7.47	121.53
December	—14.11	5.21	4.73	—4.62	15.04	290.28	6.61	134.28
Year	—15.53	7.60	6.59	—4.44	17.28	296.07	7.95	123.97

TABLE 36. Solar Diurnal Variation. — Horizontal Force.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight. — Unity = 0.00001 c. g. s.

1890.	a₁	b₁	a₂	b₂	A₁	C₁	A₂	C₂
January	14.79	—2.62	—8.29	0.55	15.02	100°.03	8.31	273°77
February	15.56	—4.01	—8.46	—0.39	16.07	104.47	8 47	267.35
March	14.82	—4.53	—9.02	0.08	15.50	106.98	9.02	270.50
April	11.42	—6.51	—6.40	—0.15	13.15	119.68	6.40	268.65
May	9.01	—6 20	—3.60	—1.09	10.94	124.53	3.76	253.12
June	7.84	—7.24	—3.44	0.66	10.67	132.70	3.51	280.82
July	8.67	—6.69	—3.21	—0.10	10.95	127.63	3.22	268.20
August	10.11	—8.06	—3.69	—1.00	12.93	128.55	3.82	254.90
September	11.06	—5.32	—6.06	—1.57	12.27	115 67	6.26	255.43
October	12.60	—5.61	—9.48	—1.51	13.79	114.02	9 60	260.95
November	11.87	—6.33	—8.50	0.93	13.45	118.08	8.55	276.25
December	9.49	—3.58	—4.31	1.66	10.14	110.63	4.62	291.10
Year	11.44	—5.57	—6.19	—0.17	12.72	115.97	6.20	268.43

TABLE 37. Solar Diurnal Variation. — Total Force.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight. — Unity = 0.00001 c. g. s.

1890.	a_1	b_1	a_2	b_2	A_1	C_1	A_2	C_2
January	— 4.71	4.10	1.26	— 2.92	6.25	311°.03	3.18	156°.67
February	— 4.40	2.66	1.08	— 2.95	5.15	301.17	3.14	159.82
March	— 7.60	3.02	2.68	— 2.54	8.18	291.72	3.69	133.47
April	— 10.40	4.68	3.63	— 4.39	11.40	294.22	5.70	140.47
May	— 9.72	3.46	3.16	— 4.45	10.32	289.58	5.46	144.63
June	— 8.32	3.21	3.17	— 4.44	8.92	291.05	5.46	144.52
July	— 8.65	3.63	3.66	— 4.34	9.38	292.78	5.68	139.87
August	— 10.99	5.13	4.74	— 6.08	12.13	295.05	7.71	142.02
September	— 11.02	6.76	3.96	— 6.04	12.93	301.55	7.23	146.78
October	— 8.73	4.35	2.67	— 3.21	9.76	296.48	4.18	140.27
November	— 5.22	4.01	1.49	— 3.00	6.58	307.53	3.35	153.50
December	— 7.81	2.87	2.08	— 3.26	8.33	290.18	3.87	147.45
Year	— 8.11	3.99	2.78	— 3.97	9.03	296.20	4.85	144.97

TABLE 38. Solar Diurnal Variation. — Southerly Inclination.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight.

1890.	a_1	b_1	a_2	b_2	A_1	C_1	A_2	C_2
January	1'.58	— 0'.43	— 0'.83	0'.18	1'.65	105°.17	0'.85	282°.43
February	1.64	— 0.49	— 0.83	0.10	1.71	106.63	0.84	276.50
March	1.72	— 0.55	— 0.96	0.12	1.80	107.90	0.96	277.15
April	1.52	— 0.81	— 0.76	0.18	1.73	118.08	0.78	283.70
May	1.27	— 0.73	— 0.48	0.10	1.47	119.87	0.49	281.55
June	1.10	— 0.82	— 0.46	0.26	1.37	126.53	0.53	299.62
July	1.19	— 0.78	— 0.46	0.18	1.43	123.35	0.50	291.62
August	1.43	— 0.98	— 0.55	0.18	1.73	124.37	0.58	287.93
September	1.52	— 0.80	— 0.74	0.12	1.71	117.65	0.75	279.55
October	1.56	— 0.71	— 1.00	0.01	1.71	114.57	1.00	270.52
November	1.33	— 0.77	— 0.86	0.22	1.54	119.92	0.88	284.35
December	1.23	— 0.46	— 0.49	0.30	1.31	110.50	0.58	301.27
Year	1.42	— 0.70	— 0.70	0.16	1.59	116.02	0.72	283.03

RESULTS OF METEOROLOGICAL OBSERVATIONS

BATAVIA

1866–1890.

TABLE 39. Barometric Pressure. — Mean diurnal variation in 1866 -1870.

Hourly means — monthly and annual means.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	0.19	0.22	0.32	0.31	0.32	0.37	0.44	0.39	0.20	0.16	0.16	0.15	0.27
2	—0.15	—0.11	—0.03	—0.07	—0.05	0.01	0.12	0.10	—0.08	—0.15	—0.19	—0.18	—0 07
3	—0.41	—0.29	—0.23	—0.30	—0.26	—0.23	—0.16	—0.14	—0.24	—0.35	—0.36	—0.39	—0.28
4	—0.48	—0.38	—0.27	—0.36	—0.32	—0.31	—0.24	—0.21	—0.24	—0.35	—0.35	—0.44	—0.33
5	—0.26	—0.21	—0.15	—0.25	—0.16	—0.14	—0.13	—0.09	—0.04	—0.13	—0.10	—0.22	—0.16
6	0.08	0.04	0.14	0.06	0.13	0.12	0.11	0.18	0.30	0.26	0.26	0.16	0.15
7	0.54	0.44	0.55	0.51	0.50	0.48	0.50	0 58	0.79	0.73	0.74	0.60	0.58
8	0.91	0.92	0.91	0.85	0.89	0.87	0.92	0.98	1.16	1.14	1.10	0.94	0.97
9	1.08	1.12	1.14	1.06	1.08	1.01	1.11	1.20	1.35	1.23	1.20	1.07	1.14
10	0.99	1.03	1.08	1.03	0.95	0.89	0.96	1.04	1.17	1.05	1.00	0.96	1.01
11	0.71	0.74	0.75	0.69	0.62	0.58	0.59	0.60	0.65	0.63	0.61	0.64	0.65
12	0.34	0.31	0.20	0.12	0.07	0.05	0.07	0.03	0.01	0.03	0.05	0.19	0.12
1 p. m.	—0.21	—0.31	—0.49	—0.51	—0.56	—0.51	—0.51	—0.62	—0.67	—0.66	—0.59	—0.33	—0.50
2	—0.83	—0.88	—1.12	—1.11	—1.15	—1.07	—1.08	—1.21	—1.24	—1.23	—1.17	—0.92	—1.09
3	—1.35	—1.36	—1.57	—1.51	—1.51	—1.40	—1.46	—1.56	—1.63	—1.56	—1.57	—1.39	—1.49
4	—1.52	—1.57	—1.69	—1.53	—1.50	—1.43	—1.52	—1.63	—1.67	—1.61	—1.61	—1.50	—1.57
5	—1.30	—1.37	—1.40	—1.22	—1.18	—1.16	—1.30	—1.37	—1.41	—1.27	—1.27	—1.23	—1.29
6	—0.86	—0.88	—0.92	—0.77	—0.76	—0.81	—0.91	—0.95	—0.93	—0 73	—0.75	—0.77	—0.84
7	—0.35	—0.37	—0.37	—0.27	—0.23	—0.31	—0.42	—0.42	—0.37	—0.19	—0.19	—0.22	—0.31
8	0.13	0.11	0.13	0.25	0.26	0.17	0.09	0.10	0.15	0.25	0.28	0.24	0.18
9	0.53	0.51	0.56	0.66	0.65	0.59	0.53	0.56	0.57	0.64	0.69	0.64	0.59
10	0.77	0.83	0.85	0.83	0.82	0.79	0.74	0.82	0.80	0.87	0.86	0.81	0.82
11	0.79	0.82	0.87	0.87	0.79	0.80	0.77	0.86	0.83	0.78	0.78	0.78	0.81
12	0.57	0.59	0.66	0.68	0.63	0.69	0.69	0.71	0.58	0.47	0.53	0.51	0.61
Monthly and annual means.	758.98	758.61	758.90	758.46	758.25	758.86	759.00	758.99	759.18	758 86	758.92	758.69	758.81

TABLE 40. Barometric Pressure. — Mean diurnal variation in 1871–1875.

Hourly means — monthly and annual means.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	0.18	0.24	0.29	0.34	0.36	0.41	0.46	0.43	0.33	0.21	0.15	0.18	0.30
2	—0.16	—0.11	—0.06	0.00	0.01	0.08	0.13	0.13	0.04	—0.10	—0.23	—0.19	—0.04
3	—0.39	—0.36	—0.30	—0.22	—0.24	—0.22	—0.15	—0.12	—0.13	—0.30	—0.43	—0.44	—0.28
4	—0.49	—0.42	—0.36	—0.31	—0.31	—0.31	—0.21	—0.17	—0.15	—0.27	—0.40	—0.49	—0.33
5	—0.27	—0.24	—0.19	—0.20	—0.18	—0.15	—0.11	—0.05	0.01	—0.03	—0.14	—0.24	—0.15
6	0.11	0.02	0.08	0.12	0.09	0.08	0.14	0.24	0.33	0.28	0.23	0.15	0.15
7	0.56	0.47	0.51	0 57	0.50	0.49	0.52	0.63	0.77	0.72	0.71	0.61	0.59
8	0.92	0.93	0.92	0.96	0.91	0.91	0.93	0.98	1.12	1.09	1.04	0.94	0.97
9	1.07	1.15	1.17	1.18	1.09	1.07	1.08	1.17	1.28	1.19	1.14	1.09	1.14
10	1.00	1.09	1.12	1.11	0.98	0.92	0.90	1.01	1.11	1.00	0.96	0·97	1.01
11	0.72	0.85	0.79	0.69	0.60	0.55	0.53	0.58	0.60	0.58	0.55	0.60	0.63
12	0.33	0.38	0.26	0.07	0.01	—0.03	0.02	—0.03	—0.04	—0.05	0.00	0.12	0.08
1 p. m.	—0.22	—0.26	—0.47	—0.59	—0.60	—0.60	—0.54	—0.66	—0.72	—0.78	—0.66	—0.45	—0.55
2	—0.85	—0.83	—1.09	—1.23	—1.15	—1.15	—1.13	—1.25	—1.29	—1.32	—1.21	—1.05	—1.13
3	—1.37	—1.32	—1.48	—1.64	—1.51	—1.44	—1.47	—1.58	—1.66	—1.62	—1.59	—1.47	—1.51
4	—1.56	—1.57	—1.63	—1.67	—1.53	—1.46	—1.52	—1.64	—1.73	—1.70	—1.59	—1.53	—1.60
5	—1.33	—1.41	—1.38	—1.30	—1.25	—1.20	—1.28	—1.40	—1.48	—1.33	—1.22	—1.23	—1.32
6	—0.85	—0.98	—0.90	—0.86	—0.82	—0.78	—0.90	—0.99	—1.00	—0.79	—0.69	—0.75	—0.86
7	—0.35	—0.44	—0.36	—0.32	—0.27	—0.30	—0.40	—0.45	—0.43	—0.24	—0.10	—0.18	—0.32
8	0.12	0.04	0.16	0.23	0.27	0.20	0.15	0.10	0.14	0.28	0.42	0.31	0.20
9	0.54	0.49	0.57	0.67	0.69	0.61	0.59	0.55	0.58	0.69	0.80	0.71	0.62
10	0.78	0.79	0.87	0.86	0.88	0.81	0.82	0.82	0.87	0.96	0.94	0.89	0.86
11	0.83	0.84	0.91	0.89	0.83	0.82	0.81	0.89	0.90	0.87	0.83	0.83	0.85
12	0.60	0.61	0.65	0.70	0.69	0.72	0.72	0.74	0.66	0.58	0.52	0.57	0.64
Monthly and annual means.	758.30	758.27	758.24	757 98	758.14	758.42	758.80	758.90	758.99	758.53	758.38	758.17	758.43

TABLE 41. Barometric Pressure. — Mean diurnal variation in 1876—1880.

Hourly means — monthly and annual means.

Hours of mean Batavia Time	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	0.14	0.20	0.29	0.29	0.32	0.34	0.42	0.36	0.24	0.18	0.14	0.13	0.26
2	—0.19	—0.15	—0.08	—0.11	—0.06	—0.02	0.10	0.05	—0.07	—0.15	—0.25	—0.23	—0.09
3	—0.42	—0.38	—0.34	—0.35	—0.33	—0.30	—0.17	—0.18	—0.24	—0.34	—0.45	—0.49	—0.33
4	—0.49	—0.40	—0.38	—0.43	—0.39	—0.38	—0.24	—0.24	—0.25	—0.31	—0.43	—0.55	—0.37
5	—0.26	—0.22	—0.20	—0.29	—0.18	—0.21	—0.07	—0.06	—0.03	—0.02	—0.17	—0.30	—0.16
6	0.10	0.07	0.06	0.04	0.12	0.03	0.18	0.25	0.32	0.34	0.24	0.13	0.16
7	0.60	0.53	0.51	0.54	0.55	0.44	0.57	0.70	0.85	0.85	0.77	0.63	0.63
8	0.96	0.99	0.93	0.94	0.97	0.87	0.99	1.08	1.21	1.25	1.08	0.94	1.02
9	1.12	1.19	1.19	1.21	1.18	1.06	1.15	1.27	1.37	1.30	1.18	1.08	1.19
10	1.04	1.11	1.16	1.15	1.03	0.92	0.96	1.07	1.15	1.07	0.98	0.96	1.05
11	0.72	0.81	0.79	0.70	0.62	0.53	0.54	0.56	0.54	0.59	0.54	0.58	0.63
12	0.29	0.33	0.25	0.06	0.02	—0.03	—0.02	—0.05	—0.13	—0.10	—0 04	0.11	0.06
1 p. m.	—0.33	—0.35	—0.47	—0.61	—0.64	—0.62	—0.59	—0.70	—0.83	—0.85	—0.74	—0.47	—0.60
2	—0.94	—0.97	—1.08	—1.22	—1.25	—1.18	—1.17	—1.28	—1.41	—1.44	—1.30	—1.10	—1.19
3	—1.43	—1.42	—1.46	—1.65	—1.60	—1.50	—1.51	—1.63	—1.77	—1.77	—1.69	—1.54	—1.58
4	—1.54	—1.61	—1.62	—1.63	—1.58	—1.47	—1.58	—1.65	—1.80	—1.78	—1.67	—1.57	—1.62
5	—1.28	—1.38	—1.37	—1.25	—1.26	—1.15	—1.30	—1.39	—1.45	—1.39	—1.22	—1.20	—1.30
6	—0.81	—0.90	—0.91	—0.73	—0.86	—0.72	—0.91	—0.94	—0.90	—0.77	—0.65	—0.67	—0.81
7	—0.30	—0.34	—0.39	—0.22	—0.26	—0.18	—0.39	—0.39	—0.29	—0.15	—0.04	—0.09	—0.25
8	0.19	0.14	0.12	0.32	0.29	0,33	0.17	0.17	0.28	0.33	0.44	0.40	0.27
9	0.61	0.59	0.58	0.73	0.74	0.75	0.61	0.63	0.71	0.75	0.83	0.80	0.70
10	0.84	0.86	0.86	0.93	0.96	0.92	0.82	0.86	0.97	1.00	0.99	0.97	0.92
11	0.81	0.80	0.85	0.89	0.85	0.83	0.81	0.87	0.96	0.88	0.87	0.88	0.86
12	0.56	0.56	0.62	0.69	0.68	0.69	0.68	0.68	0.65	0.55	0.54	0.58	0.63
Monthly and annual means.	758.64	758.92	758.75	758.26	758.11	759.05	759.13	759.34	759.38	759.16	758.72	758.32	758.81

TABLE 42. Barometric Pressure. — Mean diurnal variation in 1881—1885.

Hourly means — monthly and annual means.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	0.14	0.24	0.26	0.35	0.33	0.41	0.44	0.34	0.22	0.18	0.10	0.13	0.26
2	—0.26	—0.14	—0.14	—0.07	—0.08	0.04	0.10	0.02	—0.08	—0.13	—0.29	—0.24	—0.11
3	—0.50	—0.41	—0.40	—0.31	—0.35	—0.23	—0.17	—0.20	—0.20	—0.30	—0.50	—0.47	—0.33
4	—0.53	—0.44	—0.44	—0.40	—0.41	—0.27	—0.20	—0.21	—0.17	—0.23	—0.45	—0.51	—0.35
5	—0.28	—0.24	—0.25	—0.27	—0.22	—0.11	—0.02	—0.05	0.07	0.03	—0.18	—0.26	—0.15
6	0.13	0 08	0.04	0.08	0.10	0.14	0.24	0.26	0.46	0.40	0.21	0.18	0.19
7	0.65	0.54	0.51	0.55	0.56	0.51	0.64	0.72	0.93	0.90	0.72	0.71	0.66
8	1.03	1.05	0.99	0.95	0.98	0.95	1.09	1.14	1.30	1.26	1.05	1.02	1.07
9	1.18	1.23	1.24	1.18	1.17	1.08	1.23	1.32	1.44	1.28	1.16	1.18	1.22
10	1.08	1.13	1.21	1.11	1.05	0.90	1.02	1.10	1.20	1.03	0.97	1.02	1.07
11	0.75	0.86	0.83	0.68	0.65	0.53	0.59	0.62	0.58	0.54	0.55	0.64	0.65
12	0.29	0.31	0.22	0.04	0.02	—0.06	—0.02	—0.05	—0.15	—0.14	—0.05	0.15	0.05
1 p. m.	—0.32	—0.38	—0.53	—0.63	—0.64	—0.65	—0.64	—0.73	—0.84	—0.90	—0.73	—0.49	—0.62
2	—0.96	—1.03	—1.17	—1.28	—1.24	—1.23	—1.28	—1.33	—1.42	—1.46	—1.34	—1.12	—1.24
3	—1.52	—1.49	—1.60	—1.74	—1.61	—1.57	—1.63	—1.69	—1.80	—1.79	—1.65	—1.59	—1.64
4	—1.64	—1.70	—1.69	—1.71	—1.57	—1.57	—1.65	—1.72	—1.82	—1.82	—1.60	—1.65	—1.68
5	—1.35	—1.52	—1.44	—1.34	—1.27	—1.28	—1.39	—1.47	—1.54	—1.44	—1.20	—1.37	—1.38
6	—0.84	—1.01	—0.89	—0.83	—0.82	—0.84	—0.98	—1.03	—0.99	—0.81	—0.59	—0.76	—0.86
7	—0.29	—0.44	—0.33	—0.25	—0.25	—0.30	—0.44	—0.43	—0.40	—0.22	—0.01	—0.13	—0.29
8	0.21	0.12	0.21	0.34	0.33	0.25	0.12	0.18	0.18	0.28	0.49	0.39	0.26
9	0.65	0.62	0.70	0.79	0.77	0.71	0.57	0.64	0.62	0.73	0.88	0.81	0.71
10	0 89	0.94	1.01	1.02	0 96	0.90	0.77	0.91	0.91	1.02	1.01	0.97	0.94
11	0.88	0.94	1.01	1.02	0.91	0.87	0.79	0.93	0.89	0.92	0.89	0.89	0.91
12	0.58	0.69	0.71	0.79	0.73	0.76	0.70	0.74	0.60	0.58	0.56	0.59	0.67
Monthly and annual means.	759.32	758.97	759.10	758.22	758.37	758.72	759.29	759.26	759.64	759.07	758.34	758.63	758.91

TABLE 43. Barometric Pressure. — Mean diurnal variation in 1886—1890.

Hourly means — monthly and annual means.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	0.19	0.23	0.30	0.29	0.29	0.38	0.39	0.42	0.28	0.17	0.13	0.14	0.26
2	—0.19	—0.17	—0.13	—0.12	—0.12	0.02	0.06	0.06	—0.07	—0.21	—0.27	—0.23	—0.12
3	—0.44	—0.41	—0.37	—0.34	—0.38	—0.28	—0.24	—0.20	—0.27	—0.39	—0.47	—0.49	—0.36
4	—0.48	—0.46	—0.42	—0.40	—0.46	—0.33	—0.29	—0.29	—0.28	—0.32	—0.46	—0.56	—0.40
5	—0.26	—0.28	—0.25	—0.29	—0.28	—0.15	—0.13	—0.13	—0.11	—0.07	—0.17	—0.31	—0.21
6	0.14	0.04	0.05	0.05	0.03	0.09	0.14	0.17	0.28	0.30	0.22	0.13	0.13
7	0.66	0.50	0.51	0.53	0.48	0.48	0.55	0.64	0.76	0.83	0.74	0.65	0.61
8	1.03	1.01	0.97	0.93	0.93	0.92	0.99	1.07	1.15	1.22	1.10	1.01	1.03
9	1.18	1.24	1.22	1.16	1.13	1.07	1.13	1.27	1.33	1.28	1.18	1.16	1.19
10	1.04	1.13	1.14	1.10	0.98	0.91	0.96	1.08	1.14	1.04	1.00	1.01	1.04
11	0.73	0.83	0.77	0.69	0.61	0.57	0.55	0.60	0.58	0.59	0.58	0.59	0.64
12	0.27	0.30	0.21	0.04	0.01	0.01	—0.04	—0.04	—0.10	—0.10	—0.01	0.10	0.05
1 p. m.	—0.36	—0.38	—0.56	—0.63	—0.61	—0.57	—0.62	—0.68	—0.77	—0.84	—0.73	—0.52	—0.61
2	—1.03	—1.00	—1.21	—1.24	—1.18	—1.17	—1.20	—1.26	—1.36	—1.41	—1.29	—1.16	—1.21
3	—1.58	—1.47	—1.63	—1.68	—1.54	—1.51	—1.53	—1.65	—1.71	—1.72	—1.68	—1.56	—1.61
4	—1.71	—1.67	—1.73	—1.65	—1.50	—1.52	—1.53	—1.70	—1.76	—1.71	—1.61	—1.62	—1.65
5	—1.41	—1.46	—1.44	—1.26	—1.15	—1.22	—1.27	—1.46	—1.44	—1.31	—1.23	—1.29	—1.33
6	—0.85	—0.97	—0.86	—0.80	—0.72	—0.79	—0.87	—1.02	—0.91	—0.75	—0.65	—0.70	—0.83
7	—0.27	—0.40	—0.27	—0.23	—0.19	—0.27	—0.38	—0.42	—0.30	—0.16	—0.07	—0.11	—0.26
8	0.25	0.14	0.26	0.36	0.35	0.26	0.21	0.19	0.27	0.36	0.44	0.42	0.29
9	0.70	0.63	0.68	0.79	0.77	0.71	0.65	0.65	0.70	0.78	0.87	0.83	0.73
10	0.92	0.95	0.98	0.99	0.95	0.88	0.85	0.92	0.97	1.02	1.00	0.96	0.95
11	0.90	0.95	0.99	0.98	0.89	0.83	0.85	0.98	0.99	0.91	0.91	0.93	0.92
12	0.59	0.67	0.71	0.73	0.68	0.71	0.73	0.79	0.70	0.55	0.56	0.61	0.67
Monthly and annual means.	758.62	759.05	758.75	758.19	758.22	758.58	758.95	759.09	759.09	758.92	758.58	758.45	758.71

TABLE 44. Barometric Pressure. — Mean diurnal variation in 1866—1890.

Hourly means — monthly and annual means.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	0.17	0.23	0.29	0.32	0.32	0.38	0.43	0.39	0.25	0.18	0.14	0.15	0.27
2	—0.19	—0.13	—0.09	—0.07	—0.06	0.02	0.11	0.07	—0.06	—0.15	—0.25	—0.21	—0.08
3	—0.43	—0.37	—0.33	—0.30	—0.31	—0.26	—0.17	—0.17	—0.22	—0.34	—0.44	—0.45	—0.31
4	—0.49	—0.42	—0.38	—0.38	—0.38	—0.32	—0.23	—0.23	—0.22	—0.30	—0.42	—0.51	—0.35
5	—0.27	—0.24	—0.21	—0.26	—0.20	—0.15	—0.09	—0.08	—0.03	—0.05	—0.15	—0.26	—0.16
6	0.11	0.06	0.07	0.07	0.09	0.09	0.16	0.22	0.33	0.31	0.22	0.15	0.16
7	0.60	0.50	0.52	0.54	0.52	0.47	0.56	0.65	0.81	0.80	0.74	0.64	0.62
8	0.97	0.98	0.94	0.93	0.93	0.90	0.99	1.05	1.18	1.19	1.07	0.97	1.01
9	1.12	1.19	1.19	1.16	1.13	1.05	1.14	1.24	1.35	1.26	1.17	1.12	1.18
10	1.03	1.10	1.14	1.10	1.00	0.90	0.96	1.06	1.15	1.04	0.98	0.99	1.04
11	0.73	0.82	0.79	0.69	0.62	0.55	0.56	0.59	0.58	0.58	0.57	0.61	0.65
12	0.30	0.33	0.23	0.07	0.02	—0.02	0.01	—0.03	—0.09	—0.07	—0.01	0.14	0.08
1 p. m.	—0.29	—0.33	—0.51	—0.59	—0.61	—0.59	—0.58	—0.68	—0.77	—0.81	—0.69	—0.45	—0.57
2	—0.93	—0.94	—1.13	—1.21	—1.20	—1.16	—1.17	—1.27	—1.35	—1.37	—1.26	—1.07	—1.17
3	—1.45	—1.41	—1.55	—1.64	—1.55	—1.49	—1.52	—1.63	—1.72	—1.69	—1.64	—1.51	—1.56
4	—1.60	—1.62	—1.67	—1.63	—1.54	—1.49	—1.56	—1.67	—1.76	—1.73	—1.62	—1.57	—1.62
5	—1.34	—1.43	—1.41	—1.27	—1.22	—1.21	—1.30	—1.42	—1.47	—1.35	—1.23	—1.26	—1.32
6	—0.84	—0.94	—0.90	—0.79	—0.80	—0.79	—0.91	—0.99	—0.95	—0.77	—0.67	—0.73	—0.84
7	—0.31	—0.40	—0.34	—0.25	—0.24	—0.28	—0.40	—0.43	—0.37	—0.19	—0.08	—0.14	—0.28
8	0.18	0.11	0.18	0.30	0.30	0.24	0.15	0.15	0.20	0.30	0.41	0.36	0.24
9	0.61	0.57	0.62	0.73	0.72	0.67	0.59	0.60	0.63	0.72	0.81	0.76	0.67
10	0.84	0.88	0.91	0.93	0.91	0.86	0.81	0.86	0.90	0.97	0.96	0.92	0.90
11	0.84	0.88	0.92	0.93	0.85	0.83	0.81	0.90	0.91	0.87	0.86	0.86	0.88
12	0.58	0.63	0.67	0.72	0.68	0.71	0.71	0.73	0.63	0.54	0.54	0.57	0.65
Monthly and annual means	758.77	758.76	758.75	758.22	758.22	758.73	759.03	759.12	749.26	758.91	758.59	758.45	758.73

TABLE 45. Formulae, representing the diurnal variation of the Barometric Pressure.

1866—1870	$X = \overset{\text{mm}}{758.81} + \overset{\text{mm}}{0.61}\ \text{sin.}\ (\theta + 23.1^\circ) + \overset{\text{mm}}{0.94}\ \text{sin.}\ (2\,\theta + 158.0^\circ) + \overset{\text{mm}}{0.04}\ \text{sin.}\ (3\,\theta + 7.3^\circ)$
1871—1875	$X = 758.43 + 0.63\ \text{sin.}\ (\theta + 25.4) + 0.95\ \text{sin.}\ (2\,\theta + 158.1) + 0.04\ \text{sin.}\ (3\,\theta + 16.6)$
1876—1880	$X = 758.81 + 0.62\ \text{sin.}\ (\theta + 26.4) + 1.00\ \text{sin.}\ (2\,\theta + 160.6) + 0.04\ \text{sin.}\ (3\,\theta + 13.4)$
1881—1885	$X = 758.91 + 0.66\ \text{sin.}\ (\theta + 26.1) + 1.03\ \text{sin.}\ (2\,\theta + 160.5) + 0.04\ \text{sin.}\ (3\,\theta + 20.0)$
1886—1890	$X = 758.71 + 0.62\ \text{sin.}\ (\theta + 28.0) + 1.03\ \text{sin.}\ (2\,\theta + 160.1) + 0.04\ \text{sin.}\ (3\,\theta + 23.4)$
1866—1890	$X = 758.73 + 0.63\ \text{sin.}\ (\theta + 25.7) + 0.99\ \text{sin.}\ (2\,\theta + 159.4) + 0.04\ \text{sin.}\ (3\,\theta + 15.1)$

TABLE 46. Barometric Pressure. — Departures of the monthly and annual means from the corresponding means for the twenty-five years 1866—1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1866	0.81	—0.51	0.31	0.30	—0.25	0.39	—0.03	0.12	—0.18	—0.02	—0.21	0.56	0.12
1867	1.08	—0.39	0.72	0.29	—0.28	—0.10	—0.20	—0.31	—0.58	—0.61	1.12	0.72	0.13
1868	—0.41	0.21	0.37	0.75	1.12	0.81	0.15	0.36	0.31	0 40	1.14	0.49	0.48
1869	1.31	0.83	0.08	0.63	0.02	—0.04	0.17	0.05	0.26	0.25	—0.08	—0.31	0.26
1870	—1.78	—0.90	—0.72	—0.75	—0.43	—0.40	—0.26	—0.85	—0.23	—0.26	—0.28	—0.22	—0.59
1871	—0.96	—0.71	—0.24	0.12	0.15	—0.08	—0.07	—0.05	—0.31	—0.33	—0.57	0.05	—0.24
1872	—0.30	—0.48	—0.35	—0.50	0.23	—0 73	—0.40	—0.55	—0.61	—0.49	—1.34	—0.97	—0.53
1873	—0.95	—0.63	—0.61	—0.49	—0.71	—0.12	—0.16	—0.25	0.08	—0.14	0.55	0.15	—0.27
1874	0.76	0.23	—0.96	0.10	—0.04	—0.38	—0.59	—0.24	—0.54	—0.41	0.02	0.10	—0.16
1875	—0.94	—0.86	—0.38	—0.41	—0.01	—0.23	0.09	—0.02	0.05	—0.56	0.34	—0.76	—0.30
1876	—0.84	—0.43	—0.62	—0.92	0.24	0.07	0.20	—0.09	0.01	0.30	0.17	0.80	—0.08
1877	1.33	1.07	0.64	0.76	0.44	1.33	1.41	1.64	1.32	1.39	0.91	0.18	1.04
1878	0.64	1.17	0.91	0.30	—0.02	0.20	—0 56	0.04	—0.43	—0 83	—0.70	—1.21	—0.05
1879	—0.95	—0.77	—0.57	—0.22	—0.86	—0.22	—0 71	—0.41	—0.37	—0.12	—0.36	—1.14	—0.56
1880	—0.83	—0.22	—0.37	0.28	—0.36	0.21	0.16	—0.07	0.08	0.51	0.62	0.72	0.06
1881	0 28	1.11	0.58	0.35	0.09	—0 34	0.52	0.43	0.17	—0.03	—0.87	—0.60	0.15
1882	0.51	—0.32	0.62	—0 68	—0.02	—0.47	—0.20	—0.17	—0.01	—0.57	—0.33	—0.37	—0.16
1883	0.04	—0.21	0.08	—0.11	0.07	0 29	0.38	0.04	0.53	0.29	—0.69	1.24	0.17
1884	0.45	0.76	—0.23	0.44	0.10	0.44	0 02	0.11	0.57	0.27	—0.29	0.64	0.28
1885	1.46	—0.30	0.73	0.02	0.53	0.03	0.56	0.28	0.63	0.82	0.93	0.02	0.48
1886	—0.08	0.10	—0.13	—0.29	—0.24	—0.13	—0.69	—0.70	—0.36	—0.39	—0.47	0.03	—0.27
1887	—1.22	—0.49	—0.55	—0.31	0.24	—0.30	0.20	—0.29	0.20	—0.03	0.04	—0 26	—0.23
1888	0.75	0.93	0.50	0.27	0.01	0.12	0.45	0.55	0.09	0.23	0.55	0.53	0.42
1889	0.95	0.82	1.29	0.21	0.13	—0.12	—0.58	0.19	—0.48	0.02	—0 88	—0.84	0.06
1890	—1.14	0.08	—1.11	—0.03	—0.14	—0.31	0.21	0.10	—0.28	0.23	0.74	0.54	—0.09
Means.	0.83	0.58	0.55	0.38	0.27	0.31	0.36	0.32	0.35	0.38	0.57	0.54	0.29

TABLE 47. — Barometric Pressure.

Dates.	Five-day means.						Annual variation.					
	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1— 5 January.	759.12	757.93	757.78	759.72	758.85	758.68	0.31	— 0.50	— 1.03	0.81	0.14	— 0.05
6—10 »	8.72	7.93	8.32	9.62	9.52	8.82	— 0.09	— 0.50	— 0.49	0.71	0.81	0.09
11—15 »	9.04	7.68	9.00	9.20	8.35	8.65	0.23	— 0.75	0.19	0.29	— 0.36	— 0.08
16—20 »	9.09	8.46	8.94	9.13	8.39	8.80	0.28	0.03	0.13	0.22	— 0.32	0.07
21—25 »	9.05	8.54	8.77	9.33	8.15	8.77	0.24	0.11	— 0.04	0.42	— 0.56	0.04
26—30 »	8.95	8.88	8.96	8.95	8.48	8.85	0.14	0.45	0.15	0.04	— 0.23	0.12
31— 4 February.	8.31	8.99	8.87	9.01	8.82	8.80	— 0.50	0.56	0.06	0.10	0.11	0.07
5— 9 »	8.41	7.76	8.93	9.12	9.11	8.66	— 0.40	— 0.67	0.12	0.21	0.40	— 0.07
10—14 »	8.56	7.85	9.22	8.82	9.33	8.75	— 0.25	— 0.58	0.41	— 0.09	0.62	0.02
15—19 »	8.71	8.70	8.67	8.69	9.01	8.75	— 0.10	0.27	— 0.14	— 0.22	0.30	0.02
20—24 »	8.75	8.18	9.10	9.02	8.97	8.80	— 0.06	— 0.25	0.29	0.11	0.26	0.07
25— 1 March.	9.03	8.69	8.63	9.22	8.98	8.91	0.22	0.26	— 0.18	0.31	0.27	0.18
2— 6 »	8.65	8.54	8.74	8.66	9.48	8.81	— 0.16	0.11	— 0.07	— 0.25	0.77	0.08
7—11 »	8.92	8.65	9.10	8.89	9.36	8.98	0.11	0.22	0.29	— 0.02	0.65	0.25
12—16 »	9.36	8.08	8.73	9.65	8.99	8.96	0.55	— 0.35	— 0.08	0.74	0.28	0.23
17—21 »	9.08	8.08	8.81	9.39	8.25	8.72	0.27	— 0.35	0.00	0.48	— 0.46	— 0.01
22—26 »	8.75	7.96	8.92	8.95	7.94	8.51	— 0.06	— 0.47	0.11	0.04	— 0.77	— 0.22
27—31 »	8.64	8.21	8.28	9.09	8.40	8.52	— 0.17	— 0.22	— 0.53	0.18	— 0.31	— 0.21
1— 5 April.	7.94	8.27	8.33	8.19	8.45	8.23	— 0.87	— 0.16	— 0.48	— 0.72	— 0.26	— 0.50
6—10 »	7.87	8.27	8.10	8.63	8.42	8.26	— 0.94	— 0.16	— 0.71	— 0.28	— 0.29	— 0.47
11—15 »	8.36	8.04	8.30	8.22	8.16	8.22	— 0.45	— 0.39	— 0.51	— 0.69	— 0.55	— 0.51
16—20 »	8.81	7.87	8.68	8.19	7.78	8.27	0.00	— 0.56	— 0.13	— 0.72	— 0.93	— 0.46
21—25 »	8.86	7.67	8.19	8.22	8.37	8.26	0.05	— 0.76	— 0.62	— 0.69	— 0.34	— 0.47
26—30 »	8.93	7.79	7.96	7.88	7.96	8.10	0.12	— 0.64	— 0.85	— 1.03	— 0.75	— 0.63
1— 5 May.	8.47	7.93	7.54	8.03	8.19	8.03	— 0.34	— 0.50	— 1.27	— 0.88	— 0.52	— 0.70
6—10 »	8.21	8.30	7.62	8.61	8.27	8.21	— 0.60	— 0.13	— 1.19	— 0.30	— 0.44	— 0.52
11—15 »	8.15	8.61	7.91	8.59	8.48	8.35	— 0.66	0.18	— 0.90	— 0.32	— 0.23	— 0.38
16—20 »	8.62	8.42	8.40	8.36	8.17	8.40	— 0.19	— 0.01	— 0.41	— 0.55	— 0.54	— 0.33
21—25 »	8.02	7.99	8.85	8.24	7.90	8.20	— 0.79	— 0.44	0.04	— 0.67	— 0.81	— 0.53
26—30 »	8.11	7.76	8.26	8.42	8.27	8.16	— 0.70	— 0.67	— 0.55	— 0.49	— 0.44	— 0.57
31— 4 June.	7.93	7.85	8.60	8.26	8.27	8.18	— 0.88	— 0.58	— 0.21	— 0.65	— 0.44	— 0.55
5— 9 »	8.46	7.95	8.92	7.77	7.98	8.22	— 0.35	— 0.48	0.11	— 1.14	— 0.73	— 0.51
10—14 »	8.56	7.97	8.90	8.40	8.52	8.47	— 0.25	— 0.46	0.09	— 0.51	— 0.19	— 0.26
15—19 »	9.15	8.54	9.06	9.23	8.56	8.91	0.34	0.11	0.25	0.32	— 0.15	0.18
20—24 »	9.57	8.75	9.26	9.31	9.03	9.18	0.76	0.32	0.45	0.40	0.32	0.45
25—29 »	9.29	9.09	9.32	9.12	9.04	9.17	0.48	0.66	0.51	0.21	0.33	0.44

TABLE 47. — Continued.

Dates.	Five-day means.						Annual variation.					
	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
30— 4 July.	759.19	759.11	759.48	759.68	759.01	759.29	0.38	0.68	0.67	0.77	0.30	0.56
5— 9 »	9.12	8.94	9.19	9.67	9.51	9.29	0.31	0.51	0.38	0.76	0.80	0.56
10—14 »	9.19	8.75	8.94	9.16	8.66	8.94	0.38	0.32	0.13	0.25	— 0.05	0.21
15—19 »	8.89	8.27	8.88	9.14	8.43	8.72	0.08	— 0.16	0.07	0.23	— 0.28	— 0.01
20—24 »	8.86	8.72	9.03	9.23	9.17	9.00	0.05	0.29	0.22	0.32	0.46	0.27
25—29 »	8.90	9.05	9.49	9.09	8.80	9.07	0.09	0.62	0 68	0 18	0.09	0.34
30— 3 August.	8.78	9.01	8.81	8.86	8.90	8.87	— 0.03	0.58	0.00	— 0.05	0.19	0.14
4— 8 »	8.91	8.95	8.98	9.00	8.88	8.95	0.10	0.52	0 17	0.09	0.17	0.22
9—13 »	9.00	9.01	9.72	8.98	9.04	9.15	0.19	0.58	0.91	0.07	0.33	0.42
14—18 »	9.07	8.89	9.83	9.05	9.08	9.18	0.26	0.46	1.02	0.14	0.37	0.45
19—23 »	9.17	8.79	9.55	9.26	9.31	9.22	0.36	0.36	0.74	0.35	0.60	0.49
24—28 »	9.11	8.82	9.03	9.68	9.24	9.17	0 30	0.39	0.22	0.77	0.53	0.44
29— 2 September.	8.89	8.95	9.29	10.09	9.09	9.26	0.08	0.52	0.48	1.18	0.38	0.53
3— 7 »	9.32	9.11	9.39	9.37	8.96	9.23	0.51	0.68	0.58	0.46	0.25	0.50
8—12 »	8.86	8.87	9.73	9.48	8.54	9.10	0.05	0.44	0.92	0.57	— 0.17	0.37
13—17 »	8 80	8.86	9.29	10.02	9.10	9.22	— 0.01	0.43	0.48	1.11	0.39	0.49
18—22 »	9.52	8.84	9.05	9.70	9.31	9.28	0.71	0.41	0.24	0.79	0.60	0.55
23—27 »	9 25	9.13	9.23	9.63	9.38	9.33	0.44	0.70	0.42	0.72	0.67	0.60
28— 2 October.	9.46	8.88	9.47	9.44	9.47	9.35	0.65	0.45	0.66	0.53	0.76	0.62
3— 7 »	9.47	8.66	9.45	9.53	9.05	9.23	0.66	0.23	0.64	0.62	0.34	0.50
8—12 »	8 92	8.51	9.57	9.17	9.10	9.06	0.11	0.08	0.76	0.26	0.39	0.33
13—17 »	8.90	8.45	9.23	8.99	8.98	8.91	0.09	0.02	0.42	0.08	0.27	0.18
18—22 »	8.59	8.48	9,19	8.95	8.75	8.79	— 0.22	0.05	0.38	0.04	0.04	0.06
23—27 »	8.49	8.41	8.78	8.76	8.72	8.63	— 0.32	— 0 02	— 0.03	— 0.15	0.01	— 0 10
28— 1 November.	8.28	8.54	8.70	8.64	8.62	8 56	— 0.53	0.11	— 0.11	— 0.27	— 0.09	— 0.17
2— 6 »	8.46	8.85	8.80	8.26	8.60	8.59	— 0.35	0.42	— 0.01	— 0.65	— 0.11	— 0.14
7—11 »	9.00	8.62	8.79	8.07	8.45	8.59	0.19	0.19	— 0.02	— 0.84	— 0.26	— 0.14
12—16 »	9.08	8.63	8.54	8.16	8.65	8.61	0.27	0.20	— 0.27	— 0.75	— 0.06	— 0.12
17—21 »	9.34	8.53	8.96	8.43	8.67	8.79	0.53	0.10	0.15	— 0.48	— 0.04	0.06
22—26 »	9.11	7.85	8.59	8.45	8.81	8.56	0.30	— 0.58	— 0.22	— 0.46	0.10	— 0.17
27— 1 December.	8 63	7.72	8.59	8.68	8.22	8.37	— 0.18	— 0.71	— 0.22	— 0.23	— 0.49	— 0.36
2— 6 »	8.65	8.17	8.82	8.46	8.30	8.48	— 0.16	— 0.26	0.01	— 0.45	— 0.41	— 0.25
7—11 »	8 48	8.47	8.46	8.02	8.49	8.39	— 0.33	0.04	— 0.35	— 0.89	— 0.22	— 0.34
12—16 »	8.80	8.03	8.04	8.35	8.17	8.28	— 0.01	— 0.40	— 0.77	— 0.56	— 0.54	— 0.45
17—21 »	9.02	8.05	8.14	8.98	8.43	8.53	0.21	— 0.38	— 0.67	0.07	— 0.28	— 0.20
22—26 »	8.73	7.99	8.22	8.59	8.72	8.45	— 0.08	— 0.44	— 0.59	— 0.32	0.01	— 0 28
27—31 »	8.52	8 23	8 18	9 44	8.70	8.61	— 0.29	— 0.20	— 0.63	0.53	— 0.01	— 0.12

TABLE 48. — Lunar Atmospheric Tide.

Lunar hours.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1866/1870.	1871/1875.	1876/1880.	1881/1885.	1886/1890.	1866/1890.
Number of lunar days.	343	342	370	342	371	343	342	343	1482	1508	1769	1769	1741	8269
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
0	0.024	0.082	0.049	0.077	0.106	0.057	0.058	0.055	0.058	0.042	0.040	0.051	0.071	0.053
1	0.054	0.069	0.047	0.083	0.099	0.071	0.090	0.059	0.068	0.048	0.054	0.056	0.081	0.062
2	0.049	0.026	0.025	0.061	0.081	0.061	0.061	0.041	0.058	0.036	0.049	0.040	0.061	0.050
3	0.026	— 0.008	— 0.008	0.019	0.048	0.035	0.048	0.005	0.038	0.014	0.026	0.014	0.032	0.025
4	0.001	— 0.034	— 0.033	— 0.030	0.005	— 0.011	0.007	— 0.020	0.006	— 0.008	— 0.008	— 0.010	— 0.009	— 0.006
5	— 0.015	— 0.054	— 0.051	— 0.052	— 0.029	— 0.035	— 0.018	— 0.036	— 0.024	— 0.036	— 0.036	— 0.033	— 0.034	— 0.032
6	— 0.043	— 0.064	— 0.061	— 0.059	— 0.073	— 0.054	— 0.024	— 0.061	— 0.040	— 0.054	— 0.056	— 0.048	— 0.054	— 0.050
7	— 0.053	— 0.063	— 0.051	— 0.051	— 0.085	— 0.044	— 0.046	— 0.074	— 0.044	— 0.052	— 0.060	— 0.052	— 0.060	— 0.054
8	— 0.034	— 0.044	— 0.046	— 0.028	— 0.072	— 0.037	— 0.041	— 0.055	— 0.040	— 0.038	— 0.046	— 0.043	— 0.047	— 0.043
9	— 0.006	— 0.011	— 0.015	— 0.008	— 0.044	— 0.027	— 0.018	— 0.009	— 0.022	— 0.014	— 0.019	— 0.018	— 0.022	— 0.019
10	0.009	0.022	0.026	0.008	— 0.008	0.010	0.032	0.051	0.008	0.020	0.010	0.013	0.018	0.014
11	0.030	0.036	0.050	0.034	0.039	0.042	0.042	0.071	0.038	0.046	0.046	0.034	0.046	0.042
12	0.049	0.052	0.069	0.067	0.060	0.058	0.052	0.090	0.054	0.066	0.067	0.050	0.066	0.061
13	0.077	0.064	0.084	0.068	0.064	0.049	0.054	0.091	0.054	0.066	0.071	0.063	0.065	0.065
14	0.073	0.044	0.074	0.047	0.033	0.040	0.036	0.072	0.040	0.052	0.057	0.056	0.045	0.050
15	0.047	0.015	0.060	— 0.001	— 0.007	0.009	0.000	0.041	0.008	0.026	0.029	0.032	0.008	0.021
16	0.005	— 0.019	0.011	— 0.023	— 0.034	— 0.029	— 0.030	— 0.009	— 0.018	— 0.004	— 0.004	— 0.008	— 0.025	— 0.012
17	— 0.025	— 0.051	— 0.033	— 0.054	— 0.056	— 0.059	— 0.060	— 0.041	— 0.050	— 0.038	— 0.034	— 0.041	— 0.054	— 0.043
18	— 0.061	— 0.069	— 0.051	— 0.078	— 0.074	— 0.071	— 0.086	— 0.069	— 0.060	— 0.056	— 0.052	— 0.060	— 0.075	— 0.061
19	— 0.083	— 0.051	— 0.069	— 0.083	— 0.076	— 0.056	— 0.074	— 0.079	— 0.066	— 0.056	— 0.058	— 0.066	— 0.074	— 0.064
20	— 0.068	— 0.037	— 0.066	— 0.057	— 0.063	— 0.054	— 0.070	— 0.079	— 0.060	— 0.054	— 0.054	— 0.051	— 0.065	— 0.056
21	— 0.045	— 0.009	— 0.036	— 0.018	— 0.014	— 0.021	— 0.033	— 0.055	— 0.032	— 0.038	— 0.033	— 0.023	— 0.028	— 0.030
22	— 0.020	0.035	— 0.002	0.030	0.033	0.012	— 0.002	— 0.007	0.002	— 0.004	— 0.004	0.011	0.014	0.005
23	0.008	0.065	0.027	0.049	0.059	0.048	0.020	0.026	0.030	0.034	0.023	0.034	0.041	0.033
Annual means = $\overset{\text{mm}}{750}$ +	8.857	9.004	9.224	8.413	8.554	9.141	8.821	8.588	8.812	8.418	8.814	8.916	8.701	8.741

TABLE 49. Lunar Atmospheric Tide — Formulae.

1866—1870	$X = 758.812 + 0.0129 \sin. (\theta + 13.9^\circ) + 0.0592 \sin. (2\theta + 65.3^\circ)$
1871—1875	$X = 758.418 + 0.0106 \sin. (\theta + 283.1) + 0.0581 \sin. (2\theta + 68.3)$
1876—1880	$X = 758.814 + 0.0086 \sin. (\theta + 274.7) + 0.0610 \sin. (2\theta + 63.9)$
1881—1885	$X = 758.916 + 0.0041 \sin. (\theta + 294.7) + 0.0586 \sin. (2\theta + 68.1)$
1886—1890	$X = 788.701 + 0.0105 \sin. (\theta + 18.3) + 0.0706 \sin. (2\theta + 71.2)$
1866—1890	$X = 758.741 + 0.0061 \sin. (\theta + 331.8) + 0.0618 \sin. (2\theta + 67.6)$

TABLE 50. Mean daily Barometric Pressure on eight different Moon's Phases.

Moon's Phases.	1866—1870.	1871—1875.	1876—1880.	1881—1885.	1886—1890.	1866—1890.
	mm	mm	mm	mm	mm	mm
New Moon	— 0.177	— 0.005	— 0.138	0.068	— 0.169	— 0.084
»	— 0.010	— 0.071	0.083	— 0.019	— 0.038	— 0.011
First Quarter.	— 0.040	0.022	— 0.027	0.069	— 0.035	— 0.002
»	— 0.053	0.045	0.003	— 0.011	0.044	0.006
Full Moon	0.040	0.022	0.017	0.028	0.241	0.069
»	0.043	— 0.013	0.096	— 0.092	0.101	0.024
Last Quarter.	0.213	0.002	0.062	— 0.070	0.008	0.042
»	0.020	0.012	— 0.095	0.028	— 0.150	— 0.045
Means	758.820	758.408	758.817	758.922	758.705	758.734

TABLE 51. Barometric Pressure. — 1866—1890.

	Monthly and annual means.	Annual variation.	Mean monthly and annual oscillation.	Mean monthly and annual oscillation of daily means.	Mean daily oscillation or range.
January	758.77	0.04	6.77	3.54	2.96
February	758.76	0.03	6.59	3.23	3.03
March	758.75	0.02	6.41	3.02	3.13
April	758.22	—0.51	6.28	2.98	3.11
May.	758.22	—0.51	6.15	3.02	2.93
June	758 73	0.00	6.07	3.00	2.82
July.	759.03	0.30	5.97	2.77	2 91
August.	759.12	0.39	6.01	2.65	3.09
September. . . .	759.26	0.53	6.15	2.54	3.28
October	758.91	0 18	6.23	2.71	3.21
November.	758.59	—0.14	6.03	2.68	3.08
December.	758.45	—0.28	6.50	3.26	2.98
Year	758.73	—	8.79	5.34	3.04

TABLE 52. Barometric Pressure. — Maxima and Minima. — 1866—1890.

	mm	
Absolute maximum.	764.41	1885 January 23, at 9 a. m.
Absolute minimum	753.00	1870 December 21, » 3 p. m.
Maximum of daily means.	762 70	1885 January 22.
Minimum of daily means.	754.52	1870 December 21.
Maximum of daily oscillation	5.56	1883 August 27.
Minimum of daily oscillation	1.40	1889 May 29.

TABLE 53. Temperature of the air. Mean diurnal variation in 1866—1870.

Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 1°.34	— 1°.35	— 1°.81	— 1°.73	— 1°.91	— 1°.89	— 1°.93	— 2°.08	— 2°.19	— 2°.19	— 1°.99	— 1°.58	— 1°.83
2	— 1.53	— 1.54	— 2.03	— 1.91	— 2.11	— 2.12	— 2.18	— 2.33	— 2.43	— 2.39	— 2.21	— 1.73	— 2.05
3	— 1.69	— 1.69	— 2.20	— 2.08	— 2.29	— 2.35	— 2.42	— 2.58	— 2.66	— 2.60	— 2.40	— 1.89	— 2.24
4	— 1.86	— 1.81	— 2.37	— 2.26	— 2.48	— 2.55	— 2.64	— 2.80	— 2.88	— 2.75	— 2.58	— 2.02	— 2.42
5	— 1.99	— 1.93	— 2.53	— 2.44	— 2.68	— 2.78	— 2.84	— 3.03	— 3.08	— 2.93	— 2.74	— 2.16	— 2.60
6	— 2.09	— 2.01	— 2.70	— 2.59	— 2.85	— 2.98	— 3.05	— 3.24	— 3.25	— 3.06	— 2.85	— 2.21	— 2.74
7	— 1.82	— 1.77	— 2.47	— 2.29	— 2.58	— 2.81	— 2.95	— 3.06	— 2.77	— 2.26	— 2.10	— 1.71	— 2.38
8	— 0.96	— 0.99	— 1.27	— 1.14	— 1.49	— 1.76	— 1.85	— 1.82	— 1.25	— 0.62	— 0.65	— 0.71	— 1.21
9	0.11	0.08	0.28	0.30	0.18	— 0.04	— 0.09	0.00	0.55	1.02	0.89	0.43	0.31
10	1.00	0.93	1.47	1.51	1.54	1.35	1.40	1.57	1.88	2.32	2.07	1.40	1.53
11	1.70	1.68	2.29	2.36	2.49	2.42	2.50	2.73	2.93	3.21	2.92	2.04	2.44
12	2.21	2.16	2.90	2.91	3.19	3.16	3.26	3.48	3.59	3.58	3.38	2.57	3.03
1 p. m.	2.31	2.44	3.14	2.99	3.49	3.53	3.57	3.76	3.68	3.66	3.44	2.67	3.23
2	2.32	2.43	3.09	3.06	3.41	3.52	3.66	3.71	3.58	3.47	3.23	2.62	3.18
3	2.18	2.24	2.96	2.91	3.18	3.32	3.45	3.48	3.41	3.18	2.83	2.32	2.96
4	1.90	1.99	2.52	2.44	2.70	2.82	3.04	3.03	2.83	2.62	2.24	1.90	2.50
5	1.49	1.55	1.92	1.81	2.09	2.24	2.32	2.31	2.06	1.77	1.57	1.34	1.87
6	1.00	0.93	1.17	0.98	1.13	1.28	1.36	1.37	1.13	0.80	0.81	0.77	1.06
7	0.38	0.26	0.35	0.14	0.27	0.40	0.46	0.57	0.35	— 0.07	0.07	0.14	0.28
8	— 0.09	— 0.16	— 0.21	— 0.37	— 0.28	— 0.26	— 0.19	— 0.12	— 0.23	— 0.65	— 0.48	— 0.28	— 0.28
9	— 0.41	— 0.47	— 0.65	— 0.70	— 0.72	— 0.67	— 0.68	— 0.64	— 0.74	— 1.11	— 0.89	— 0.59	— 0.69
10	— 0.67	— 0.73	— 0.99	— 1.02	— 1.11	— 1.02	— 1.10	— 1.06	— 1.18	— 1.41	— 1.22	— 0.87	— 1.04
11	— 0.92	— 0.97	— 1.27	— 1.28	— 1.42	— 1.34	— 1.46	— 1.41	— 1.52	— 1.67	— 1.52	— 1.12	— 1.32
12	— 1.13	— 1.17	— 1.52	— 1.50	— 1.66	— 1.61	— 1.70	— 1.74	— 1.86	— 1.91	— 1.76	— 1.34	— 1.58
Monthly and annual means.	25.24	25.34	26.13	26.24	26.36	26.10	25.77	25.95	26.15	26.22	26.20	25.31	25.92

TABLE 54. Temperature of the air. Mean diurnal variation in 1871—1875.

Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 1°.26	— 1°.16	— 1°.49	— 1°.77	— 1°.90	— 1°.75	— 1°.92	— 2°.13	— 2°.14	— 2°.18	— 1°.96	— 1°.60	— 1°.78
2	— 1.41	— 1.33	— 1.65	— 1.98	— 2.12	— 2.00	— 2.16	— 2.44	— 2.40	— 2.43	— 2.15	— 1.80	— 2.00
3	— 1.57	— 1.48	— 1.80	— 2.20	— 2.33	— 2.22	— 2.39	— 2.71	— 2.65	— 2.61	— 2.32	— 1.95	— 2.19
4	— 1.69	— 1.65	— 1.96	— 2.40	— 2.52	— 2.41	— 2.58	— 2.98	— 2.88	— 2.81	— 2.50	— 2.08	— 2.37
5	— 1.82	— 1.78	— 2.14	— 2.56	— 2.72	— 2.58	— 2.77	— 3.22	— 3.11	— 2.98	— 2.67	— 2.21	— 2.55
6	— 1.93	— 1.88	— 2.28	— 2.71	— 2.93	— 2.76	— 2.98	— 3.45	— 3.31	— 3.12	— 2.72	— 2.29	— 2.70
7	— 1.71	— 1.70	— 2.10	— 2.46	— 2.69	— 2.65	— 2.91	— 3.25	— 2.87	— 2.46	— 2.02	— 1.85	— 2.40
8	— 1.02	— 0.98	— 1.18	— 1.24	— 1.58	— 1.68	— 1.91	— 1.95	— 1.29	— 0.85	— 0.61	— 0.87	— 1.27
9	— 0.07	— 0.04	0.13	0.28	0.07	— 0.14	— 0.17	— 0.01	0.55	0.95	0.99	0.29	0.23
10	0.83	0.83	1.23	1.56	1.42	1.21	1.30	1.59	2.07	2.37	2.27	1.32	1.50
11	1.50	1.46	2.11	2.43	2.40	2.18	2.44	2.80	3.10	3.26	3.03	2.20	2.41
12	1.98	1.81	2.54	3.05	3.03	2.92	3.17	3.59	3.58	3.65	3.32	2.61	2.94
1 p. m.	2.23	2.09	2.79	3.32	3.40	3.25	3.44	3.89	3.68	3.69	3.33	2.84	3.16
2	2.39	2.07	2.78	3.22	3.36	3.32	3.50	3.82	3.59	3.50	3.02	2.73	3.11
3	2.24	2.00	2.52	2.91	3.13	3.15	3.32	3.50	3.23	3.05	2.70	2.39	2.85
4	1.97	1.88	2.07	2.47	2.74	2.76	2.87	3.02	2.65	2.41	2.13	2.02	2.42
5	1.50	1.49	1.52	1.87	2.16	2.17	2.35	2.34	1.96	1.81	1.47	1.41	1.84
6	0.93	0.91	0.80	1.02	1.24	1.23	1.49	1.52	1.15	0.96	0.70	0.76	1.06
7	0.26	0.34	0.15	0.27	0.44	0.44	0.58	0.72	0.48	0.18	0.00	0.17	0.33
8	— 0.15	— 0.05	— 0.29	— 0.28	— 0.13	— 0.08	— 0.10	— 0.03	— 0.13	— 0.44	— 0.50	— 0.25	— 0.20
9	— 0.46	— 0.33	— 0.59	— 0.71	— 0.61	— 0.55	— 0.58	— 0.58	— 0.69	— 0.95	— 0.91	— 0.57	— 0.63
10	— 0.71	— 0.60	— 0.88	— 1.06	— 0.99	— 0.95	— 0.97	— 1.00	— 1.13	— 1.33	— 1.26	— 0.83	— 0.98
11	— 0.92	— 0.80	— 1.09	— 1.35	— 1.31	— 1.26	— 1.35	— 1.37	— 1.51	— 1.68	— 1.53	— 1.12	— 1.28
12	— 1.11	— 0.97	— 1.30	— 1.58	— 1.60	— 1.54	— 1.64	— 1.73	— 1.89	— 1.94	— 1.78	— 1.36	— 1.55
Monthly and annual means.	25.00	24.99	25.42	26.22	26.24	25.90	25.46	25.93	26.33	26.26	26.02	25.40	25.77

TABLE 55. Temperature of the air. Mean diurnal variation in 1876—1880.

Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	—1°.34	—1°.30	—1°.48	—1°.70	—1°.77	—1°70	—1°.89	—2°.06	—2°19	—2°25	—2°.02	—1°.70	—1°78
2	—1.56	—1.45	—1.67	—1.89	—2.00	—1.90	—2.13	—2.37	—2.48	—2.52	—2.22	—1.89	—2.01
3	—1.70	—1.64	—1.85	—2.08	—2.19	—2.10	—2.39	—2.65	—2.75	—2.76	—2.41	—2.06	—2.21
4	—1.87	—1.78	—2.00	—2.24	—2.38	—2.28	—2.63	—2.95	—2.98	—2.99	—2.58	—2.21	—2.41
5	—1.99	—1.89	—2.16	—2.39	—2.58	—2.46	—2.89	—3.23	—3.20	—3.20	—2.73	—2.37	—2.59
6	—2.08	—2.01	—2.31	—2.54	—2.79	—2.63	—3.09	—3.44	—3.39	—3.34	—2 82	—2 46	—2.74
7	—1.81	—1.84	—2.12	—2.27	—2.55	—2.48	—2.97	—3.23	—2.98	—2.63	—2.08	—1.91	—2.41
8	—1.00	—1.03	—1.13	—1.15	—1.42	—1.56	—1.98	—1.88	—1.36	—0.82	—0.51	—0.77	—1.22
9	0.11	0.01	0.24	0.38	0.15	—0 05	—0.27	0.07	0.58	1.01	1.00	0.59	0.32
10	1.05	0.88	1.26	1.56	1.44	1.23	1.25	1.62	2.11	2.39	2.23	1.67	1.56
11	1.68	1.54	2.06	2.44	2.37	2.25	2.41	2.85	3.25	3.32	3.08	2.51	2.48
12	2.16	1.96	2.57	2 97	2.99	2.87	3.18	3.67	3.67	3.62	3.42	2.87	3.00
1 p. m.	2.38	2.20	2.73	3.11	3.21	3 20	3.63	3.83	3.71	3.63	3.44	2.87	3 17
2	2.38	2.34	2.69	2.90	3.18	3.14	3.56	3.73	3.51	3.40	3.22	2.83	3.08
3	2.22	2.22	2.42	2.68	2.98	2 91	3.27	3.45	3.09	3.06	2.82	2.56	2.81
4	1.86	1.95	1.95	2.33	2 55	2.48	2.85	2.88	2.65	2 58	2.28	2.06	2.37
5	1.43	1.56	1.57	1.69	1.94	1.89	2.31	2.24	2.03	1.88	1.53	1.49	1.80
6	0.91	1.01	0.93	0.83	1.13	1.14	1.45	1.43	1.25	1.06	0.68	0.76	1.05
7	0 31	0.40	0.27	0.15	0.38	0.40	0.61	0.65	0.51	0.34	—0.07	0.05	0.34
8	—0.13	—0.03	—0.15	—0.33	—0.18	—0.15	—0.03	0.03	—0.11	—0.30	—0.58	—0.39	—0.20
9	—0.43	—0.37	—0.52	—0.68	—0.63	—0.57	—0.53	—0.50	—0.62	—0.82	—1.02	—0.73	—0.62
10	—0.67	—0.66	—0.79	—0.99	—0.99	—0.92	—0.93	—0.93	—1.07	—1.23	—1.32	—1.05	—0.96
11	—0.88	—0.90	—1.02	—1.27	—1.29	—1.19	—1.28	—1.33	—1.48	—1.60	—1.58	—1.29	—1.26
12	—1.10	—1.10	—1.25	—1.49	—1.53	—1.43	—1.59	—1.71	—1.85	—1.93	—1.82	—1.51	—1.52
Monthly and annual means.	25.53	25.63	25.97	26.39	26.65	25.84	25.74	25.85	26.32	26.57	26.43	25.81	26.06

TABLE 56. Temperature of the air. Mean diurnal variation in 1881—1885.

Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	—1°.37	—1°.40	—1°.49	—1°.80	—1°.85	—1°.96	—1°.98	—2°.17	—2°.33	—2°.28	—1°.89	—1°.71	—1°.85
2	—1.53	—1.58	—1.70	—2.01	—2.09	—2.23	—2.30	—2.51	—2.67	—2.56	—2.10	—1.92	—2.10
3	—1.71	—1.76	—1.88	—2 18	—2.32	—2.49	—2.59	—2 83	—2 98	—2.80	—2.28	—2.09	—2.33
4	—1.84	—1.94	—2.06	—2.36	—2.55	—2.72	—2.86	—3.13	—3.22	—3.03	—2.44	—2.26	—2.54
5	—1.97	—2.05	—2.21	—2.54	—2.75	—2.93	—3.12	—3 40	—3.48	—3.25	—2.59	—2.42	—2 73
6	—2.05	—2.17	—2.38	—2.70	—2.94	—3.13	—3.38	—3.65	—3.70	—3.40	—2.67	—2.55	—2.90
7	—1.84	—1.98	—2.17	—2.43	—2.71	—2.93	—3.27	—3.52	—3.27	—2.69	—2.00	—2.07	—2.58
8	—0.98	—1 14	—1.13	—1.27	—1.54	—1.77	—2.11	—2.05	—1.57	—0.93	—0.48	—0.88	—1.32
9	0.11	—0.01	0 22	0.38	0.08	—0.06	—0.23	0.07	0.51	0.95	1.08	0.42	0.30
10	0.92	1.00	1.33	1.70	1.47	1.45	1.36	1.84	2.13	2.41	2.26	1.53	1.62
11	1.53	1.72	2.11	2.55	2.39	2.58	2.61	3.14	3.31	3.36	3.02	2.37	2 56
12	2.07	2.26	2 57	2.99	3.02	3.34	3.47	3 89	3.95	3 61	3.34	2.71	3.10
1 p. m.	2.26	2.57	2.79	3.02	3.31	3.75	3.79	4.06	3.96	3.61	3.25	2.88	3.28
2	2.36	2.65	2.73	3.03	3.30	3.67	3.74	3.87	3.75	3 49	3.07	2.86	3 21
3	2.25	2.32	2.54	2.80	3.02	3.35	3.46	3.50	3.44	3.15	2.62	2.55	2.92
4	1.96	1.93	2.10	2.37	2.69	2.88	2.96	2.94	2.84	2.66	2.12	2.16	2 47
5	1.53	1.53	1.56	1.77	2.10	2.23	2.33	2.28	2.14	1.97	1.44	1.64	1.88
6	1.03	0.95	0.95	1.00	1 31	1.36	1.51	1.49	1.38	1.18	0.57	0.94	1.15
7	0.43	0.33	0.27	0.31	0.52	0.56	0.74	0.76	0.68	0.43	—0.15	0.24	0.42
8	0.01	—0.07	—0.21	—0.20	—0.08	—0.11	0.07	0.10	0.03	—0.22	—0.64	—0.23	—0.13
9	—0.32	—0.40	—0.56	—0.65	—0.57	—0.63	—0.46	—0.47	—0.57	—0.79	—1.00	—0.61	—0.59
10	—0.61	—0.68	—0 84	—1.03	—0.95	—1.04	—0.90	—0.96	—1.05	—1.25	—1.28	—0.96	—0.97
11	—0.88	—0.92	—1.07	—1.29	—1.27	—1.39	—1.25	—1.38	—1.48	—1.60	—1.53	—1.23	—1.28
12	—1.14	—1.15	—1.29	—1.55	—1.57	—1.72	—1.61	—1.80	—1.88	—1.94	—1.73	—1.48	—1.58
Monthly and annual means.	25.15	25.37	25.64	26.22	26.27	26.12	25.83	25.98	26.28	26.51	25.96	25.69	25.92

TABLE 57. Temperature of the air. Mean diurnal variation in 1886—1890.

Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 1°.55	— 1°.42	— 1°.55	— 1°.80	— 1°.75	— 1°.76	— 1°.84	— 2°.18	— 2°.07	— 2°.12	— 1°.94	— 1°.67	— 1°.80
2	— 1.74	— 1.60	— 1.73	— 2.01	— 1.96	— 2.00	— 2.14	— 2.45	— 2.35	— 2.38	— 2.17	— 1.88	— 2.03
3	— 1.91	— 1.77	— 1.94	— 2.18	— 2.17	— 2.22	— 2.42	— 2.72	— 2.58	— 2.61	— 2.37	— 2.05	— 2.24
4	— 2.05	— 1.92	— 2.12	— 2.37	— 2.36	— 2.40	— 2.67	— 2.96	— 2.81	— 2.83	— 2.54	— 2.23	— 2.44
5	— 2.19	— 2.08	— 2.28	— 2 54	— 2.54	— 2.61	— 2.92	— 3.19	— 3.04	— 3.00	— 2.69	— 2.38	— 2.62
6	— 2.32	— 2.20	— 2.42	— 2.70	— 2.71	— 2.79	— 3.15	— 3.40	— 3.21	— 3.11	— 2.75	— 2.42	— 2.77
7	— 1.97	— 1.97	— 2.18	— 2.41	— 2.44	— 2.62	— 3.03	— 3.14	— 2.75	— 2.39	— 2.04	— 1.88	— 2.40
8	— 1.00	— 1.08	— 1.13	— 1.24	— 1.33	— 1.62	— 1.93	— 1.78	— 1 27	— 0.85	— 0.60	— 0.68	— 1,21
9	0.25	0.05	0.27	0.27	0.15	— 0.11	— 0.18	0.06	0.53	0.82	0.87	0.68	0.31
10	1.27	1.04	1.40	1.59	1.45	1.21	1.28	1.62	1.98	2.24	2.10	1.73	1.58
11	2.04	1.81	2.23	2.54	2.43	2.20	2.42	2.83	2.95	3.24	2.92	2.59	2.53
12	2.50	2.25	2.72	3.11	3.03	2.92	3.19	3.58	3.48	3.65	3.24	2.97	3.07
1 p. m.	2.67	2.51	2.73	3.25	3 31	3.28	3.57	3.81	3.59	3.63	3.33	2.97	3.22
2	2.64	2.59	2.82	3.18	3.21	3.35	3.54	3.77	3.43	3.32	3.14	2.85	3.16
3	2.36	2.43	2.58	2.92	2.96	3.13	3.33	3.44	3.02	3.02	2.79	2.34	2.87
4	2.02	2.04	2.19	2.37	2.42	2 71	2.87	2.90	2 53	2.51	2.17	1.84	2.39
5	1.59	1.60	1.62	1.68	1.81	2.14	2.24	2.32	1.93	1.77	1.50	1.38	1.80
6	0.97	1.00	0.88	0.88	0.96	1.22	1.35	1.51	1.17	0.93	0.68	0.68	1.03
7	0.32	0.34	0.22	0.23	0.28	0.44	0.57	0.72	0.49	0.13	0.02	0.05	0.32
8	— 0.13	— 0.17	— 0.26	— 0.29	— 0.23	— 0.13	— 0.05	0.00	— 0.15	— 0.45	— 0.49	— 0.35	— 0.22
9	— 0.51	— 0.47	— 0.61	— 0.72	— 0.68	— 0.56	— 0.52	— 0.54	— 0.69	— 0.89	— 0.86	— 0.68	— 0.64
10	— 0.82	— 0.72	— 0.89	— 1.01	— 1.03	— 0.94	— 0.90	— 1.04	— 1.09	— 1.26	— 1.17	— 1.01	— 0.99
11	— 1.11	— 0.95	— 1.15	— 1.30	— 1.30	— 1.24	— 1.23	— 1.44	— 1.42	— 1.58	— 1.43	— 1.25	— 1.29
12	— 1.33	— 1.20	— 1.34	— 1.56	— 1.56	— 1.52	— 1.53	— 1.81	— 1.75	— 1.87	— 1.68	— 1.47	— 1.56
Monthly and annual means.	25.76	25.53	25.98	26.43	26.40	25.98	25.78	26.13	26.32	26.30	26.01	25.75	26.03

TABLE 58. Temperature of the air. Mean diurnal variation in 1866—1890.

Centesimal degrees.

Hours of mean Batavia Time	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 1°.38	— 1°.33	— 1°.56	— 1°.77	— 1°.82	— 1°.80	— 1°.91	— 2°.13	— 2°.18	— 2°.19	— 1°.97	— 1°.66	— 1°.81
2	— 1.56	— 1.52	— 1.75	— 1.97	— 2.05	— 2.04	— 2.18	— 2.42	— 2.46	— 2.45	— 2.17	— 1.86	— 2.03
3	— 1.72	— 1.68	— 1.93	— 2.15	— 2.26	— 2.26	— 2.44	— 2.71	— 2.72	— 2.67	— 2.36	— 2.02	— 2.24
4	— 1.87	— 1.82	— 2.10	— 2.34	— 2.46	— 2.47	— 2.68	— 2.97	— 2.96	— 2.88	— 2.52	— 2.17	— 2.43
5	— 2.00	— 1.96	— 2.25	— 2 50	— 2.66	— 2.66	— 2 91	— 3.22	— 3.18	— 3.07	— 2.68	— 2.31	— 2.62
6	— 2.10	— 2.07	— 2 41	— 2.66	— 2.84	— 2.85	— 3.13	— 3.44	— 3.38	— 3.20	— 2.76	— 2.40	— 2.76
7	— 1.84	— 1.87	— 2.20	— 2.38	— 2.59	— 2.69	— 3.03	— 3.25	— 2.93	— 2.49	— 2.03	— 1.89	— 2.43
8	— 1.00	— 1.05	— 1.16	— 1.21	— 1.47	— 1.66	— 1.96	— 1.89	— 1.35	— 0.80	— 0.56	— 0.79	— 1.24
9	0.10	0.02	0 24	0.32	0.12	— 0.07	— 0.19	0.04	0.54	0.96	0.98	0.49	0.30
10	1.01	0.93	1.34	1.58	1.46	1.30	1.32	1.65	2.04	2.36	2.19	1.54	1.57
11	1.69	1.64	2.15	2.46	2.42	2.33	2.48	2.87	3.12	3.29	3.00	2.35	2.49
12	2.19	2.08	2.65	3.00	3.05	3 05	3.25	3.65	3.66	3.63	3.34	2.75	3.03
1 p.m.	2.37	2,36	2.83	3.13	3.34	3.42	3.61	3.87	3.73	3.65	3.35	2.85	3.22
2	2.41	2.42	2.81	3.06	3.29	3.41	3.60	3.78	3.57	3.44	3.14	2.79	3.16
3	2.25	2.24	2.60	2.83	3.04	3.17	3.37	3.47	3.24	3.10	2.75	2.43	2.88
4	1.94	1.95	2.15	2.39	2.62	2.73	2.92	2.95	2.70	2.57	2.19	1.99	2.43
5	1.50	1.54	1.63	1.76	2.01	2.14	2.31	2.29	2.03	1.85	1.51	1.46	1.85
6	0.97	0.95	0 94	0.93	1.15	1.25	1.43	1.46	1.22	1.00	0.69	0.77	1.07
7	0.34	0.33	0.26	0.22	0.37	0.46	0.60	0.68	0.51	0.22	— 0.02	0.12	0.35
8	— 0.10	— 0.10	— 0.22	— 0.30	— 0.18	— 0.14	— 0.05	— 0.01	— 0.11	— 0.40	— 0.53	— 0.31	— 0.20
9	— 0.43	— 0.42	— 0.58	— 0.70	— 0 64	— 0.58	— 0.54	— 0.54	— 0.66	— 0.90	— 0.93	— 0.65	— 0.63
10	— 0.70	— 0.68	— 0.88	— 1.03	— 1.02	— 0.97	— 0.96	— 1 00	— 1.09	— 1.28	— 1.25	— 0.96	— 0.98
11	— 0.94	— 0.92	— 1.11	— 1.30	— 1.31	— 1.27	— 1.31	— 1.39	— 1.48	— 1.62	— 1.51	— 1.21	— 1.28
12	— 1.16	— 1.13	— 1.34	— 1.54	— 1.58	— 1.56	— 1.61	— 1.76	— 1.84	— 1.91	— 1.75	— 1.44	— 1.55
Monthly and annual means.	25.35	25.39	25.83	26 31	26.39	25.98	25.72	25.97	26.28	26.37	26.12	25 61	25.94

TABLE 59. Temperature of the air. — Departures of the monthly and annual means from the corresponding means for the twenty-five years 1866—1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1866	—0.01	—0.13	0.44	0.14	—0.35	0.30	0.27	0.21	0.22	—0.58	—0.01	—0.63	—0.01
1867	—0.49	—0.19	0 20	—0.18	0.36	—0.23	0.13	—0.18	—0.10	—0.54	—0.08	—0.73	—0.17
1868	—0.24	0.11	0.05	—0.08	0.44	0.80	0.10	0.21	0.41	0.74	0.55	0.50	0.29
1869	0.17	0.24	0.71	—0.21	—0.32	—0.09	0.11	0.38	—0.17	0.08	0.20	—0.33	0.07
1870	0.09	—0.18	0.10	0.06	—0.22	—0.27	—0.34	—0.66	—0 59	—0.46	—0.24	—0.25	—0.28
1871	—0.22	—0.36	—0.50	—0.11	—0.33	—0.19	—0.36	0.35	0.01	—0.43	—0.22	—0.49	—0.24
1872	—0.68	—0.53	—0.16	0.12	—0.07	—0.08	—0.53	—0.34	0.28	0.20	—0.33	—0.01	—0.18
1873	—0.20	—0.46	—0 70	—0 19	0.11	—0.05	0.11	0.15	0.15	0.06	0.27	—0.03	—0.06
1874	—0.18	—0.18	—0.14	—0.02	—0.37	—0.47	—0.68	—0.58	—0.59	—0.29	—0.36	—0.14	—0.34
1875	—0.42	—0.33	—0.56	—0.16	—0.06	0.37	0.22	0.20	0.43	—0.09	0 15	—0.29	—0.04
1876	0.06	—0.17	0.18	0.04	0.19	—0.07	—0.16	—0.10	—0.26	—0.22	—0 10	0.02	—0.05
1877	—0.05	—0.34	—0.18	0.08	0.76	0.24	0.17	—0.18	0.19	0.70	1.62	0.97	0.34
1878	1.29	1.39	1.03	0.55	0.58	0.18	0.70	0.56	0.80	1.10	0.18	0.06	0.70
1879	0.03	0.16	—0.11	0.00	—0.12	—0.35	0.00	—0.53	—0.14	—0.33	0.08	0.31	—0.09
1880	—0.39	0.16	—0.18	—0.22	—0.06	—0.74	—0.57	—0.33	—0.42	—0.27	—0.25	—0.27	—0.29
1881	—0.46	0.37	—0.06	0.19	0.39	0.23	0.17	0.06	0.08	0.62	0.14	0.60	0.19
1882	0.12	0.43	—0.12	0.02	—0 45	—0.50	—0.01	0.00	—0.48	—0.60	—0.44	0.22	—0.16
1883	—0.03	—0.16	0 27	—0.28	—0.11	0.52	0.30	—0.01	—0.09	—0.24	—0.53	—0.32	—0.06
1884	—0.15	—0.26	—0.48	—0.21	—0.21	0.11	—0.27	0.01	0.11	0.09	—0.09	—0.29	—0.14
1885	—0.39	—0.37	—0.52	—0.12	—0.16	0.31	0.40	—0.01	0.36	0.85	0.11	0.27	0.06
1886	0.55	0.03	0.02	—0.03	0.15	0.15	0.57	0.23	0.36	0.02	—0.17	—0.18	0.14
1887	0.27	0.00	—0.17	—0.23	—0.57	—0.52	—0.28	—0.05	—0.48	—0.25	—0.42	—0.15	—0.22
1888	—0.52	—0.19	0.17	—0.14	—0.10	0.53	0.27	0.42	0.45	0.70	0.75	0.73	0.26
1889	0.96	0.88	0.59	0.80	0.70	0.23	0.23	0.55	0.25	—0.20	0.15	0.52	0.47
1890	0.86	0.11	0.14	0.23	—0.08	—0.41	—0.46	—0.36	—0.39	—0.63	—0.87	—0.11	—0.17
Means.	0.35	0.31	0.31	0.18	0.29	0.32	0.30	0.27	0.33	0.41	0.33	0.34	0.20

TABLE 60. Temperature of the air. — 1866—1890.

Centesimal degrees.

1866—1890.	Monthly and annual means.	Annual variations.	Mean monthly and annual oscillation.	Mean monthly and annual oscillation of daily means.	Mean daily oscillation or range.
January	25.35	—0.59	8.75	2.56	5.17
February	25.39	—0.55	8.39	2.63	5.16
March.	25.83	—0.11	8.96	2.79	5.91
April	26.31	0.37	9.21	2.34	6.36
May	26.39	0.45	9.31	2.28	6.61
June	25.98	0.04	9.48	2.43	6.69
July	25.72	—0.22	10.09	2.40	7.15
August	25.97	0.03	11.18	2.25	7.72
September	26.28	0.34	11.20	2.37	7.58
October	26.37	0.43	10.78	2 59	7 46
November	26.12	0.18	10 09	2.68	6.82
December	25.61	—0.33	9.64	2.97	5.99
Year	25.94	—	12.69	4.42	6.55

TABLE 61. Temperature of the air.

	Five-day means						Annual variation.					
Dates.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.
1— 5 January.	25°.01	25°.59	25°.56	25°.51	25°.73	25°.48	—0°.92	—0°.18	—0°.50	—0°.41	—0°.31	—0°.46
6—10 »	25.13	25.04	25.37	24.95	25.50	25.20	—0.80	—0.73	—0.69	—0.97	—0.54	—0.74
11—15 »	25.39	25.23	25.71	25.04	25.83	25.44	—0.54	—0.54	—0.35	—0.88	—0.21	—0.50
16—20 »	25.54	24.42	25.44	24.92	25.74	25.21	—0.39	—1.35	—0.62	—1.00	—0.30	—0.73
21—25 »	25.05	24.86	25.42	25.13	26.05	25.30	—0.88	—0.91	—0.64	—0.79	0.01	—0.64
26—30 »	25.26	24.98	25.64	25.39	25.72	25.40	—0.67	—0.79	—0.42	—0.53	—0.32	—0.54
31— 4 February.	25.73	24.76	25.83	25.33	25.44	25.42	—0.20	—1.01	—0.23	—0.59	—0.60	—0.52
5— 9 »	25.71	24.74	25.65	25.29	25.17	25.31	—0.22	—1.03	—0.41	—0.63	—0.87	—0.63
10—14 »	25.31	24.86	25.50	25.08	25.34	25.22	—0.62	—0.91	—0.56	—0.84	—0.70	—0.72
15—19 »	25.11	25.25	25.71	25.45	25.74	25.45	—0.82	—0.52	—0.35	—0.47	—0.30	—0.49
20—24 »	25.08	25.18	25.61	25.45	25.79	25.42	—0.85	—0.59	—0.45	—0.47	—0.25	—0.52
25— 1 March.	25.34	25.01	25.55	25.66	25.86	25.48	—0.59	—0.76	—0.51	—0.26	—0.18	—0.46
2— 6 »	25.87	25.01	25.63	25.68	25.65	25.57	—0.06	—0.76	—0.43	—0.24	—0.39	—0.37
7—11 »	26.13	25.20	25.79	25.53	25.73	25.68	0.20	—0.57	—0.27	—0.39	—0.31	—0.26
12—16 »	26.14	25.58	25.78	25.42	26.17	25.82	0.21	—0.19	—0.28	—0.50	0.13	—0.12
17—21 »	26.25	25.55	26.14	25.57	26.27	25.96	0.32	—0.22	0.08	—0.35	0.23	0.02
22—26 »	26.14	25.85	25.93	25.84	26.04	25.96	0.21	0.08	—0.13	—0.08	0.00	0.02
27—31 »	26.41	25.44	26.67	25.84	26.05	26.08	0.48	—0.33	0.61	—0.08	0.01	0.14
1— 5 April.	26.31	25.72	26.68	26.21	26.27	26.24	0.38	—0.05	0.62	0.29	0.23	0.30
6—10 »	26.48	26.28	26.38	25.97	26.42	26.31	0.55	0.51	0.32	0.05	0.38	0.37
11—15 »	25.84	26.40	26.26	26.42	26.43	26.27	—0.09	0.63	0.20	0.50	0.39	0.33
16—20 »	26.28	26.36	26.40	26.15	26.54	26.35	0.35	0.59	0.34	0.23	0.50	0.41
21—25 »	26.09	26.44	26.42	26.40	26.56	26.38	0.16	0.67	0.36	0.48	0.52	0.44
26—30 »	26.43	26.13	26.20	26.15	26.34	26.25	0.50	0.36	0.14	0.23	0.30	0.31
1— 5 May.	26.59	26.00	26.63	26.01	26.42	26.33	0.66	0.23	0.57	0.09	0.38	0.39
6—10 »	26.47	26.29	26.69	26.22	26.49	26.43	0.54	0.52	0.63	0.30	0.45	0.49
11—15 »	26.35	26.27	26.65	26.46	26.42	26.43	0.42	0.50	0.59	0.54	0.38	0.49
16—20 »	26.37	26.40	26.54	26.47	26.47	26.45	0.44	0.63	0.48	0.55	0.43	0.51
21—25 »	26.29	26.44	26.87	26.19	26.59	26.48	0.36	0.67	0.81	0.27	0.55	0.54
26—30 »	26.19	25.97	26.68	26.31	26.03	26.24	0.26	0.20	0.62	0.39	—0.01	0.30
31— 4 June.	26.05	26.07	26.20	26.21	26.16	26.14	0.12	0.30	0.14	0.29	0.12	0.20
5— 9 »	26.02	25.99	26.04	26.48	26.15	26.13	0.09	0.22	—0.02	0.56	0.11	0.19
10—14 »	26.16	25.64	25.76	26.10	26.11	25.95	0.23	—0.13	—0.30	0.18	0.07	0.01
15—19 »	26.21	25.84	25.94	25.96	25.99	25.99	0.28	0.07	—0.12	0.04	—0.05	0.05
20—24 »	25.90	25.96	25.41	26.01	25.82	25.82	—0.03	0.19	—0.65	0.09	—0.22	—0.12
25—29 »	26.15	26.03	25.75	26.06	25.92	25.98	0.22	0.26	—0.31	0.14	—0.12	0.04

TABLE 61. Continued.

Dates.	Five-day means.						Annual variation.					
	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.
30— 4 July.	25°.90	25°.59	25°.87	25°.54	25°.83	25°.75	— 0°.03	— 0°.18	— 0°.19	— 0°.38	— 0°.21	— 0°.19
5— 9 »	25.50	25.53	25.89	25.57	25.41	25.58	— 0.43	— 0.24	— 0.17	— 0.35	— 0.63	— 0.36
10—14 »	25.81	25.15	25.73	25.90	25.66	25.65	— 0.12	— 0.62	— 0.33	— 0.02	— 0.38	—0.29
15—19 »	25.65	25.19	25.37	26.13	26.03	25.67	— 0.28	— 0.58	— 0.69	0.21	— 0.01	— 0.27
20—24 »	25 96	25.63	25.69	25.91	25.78	25.79	0 03	— 0.14	— 0.37	— 0.01	— 0.26	— 0.15
25—29 »	25.74	25.63	25.82	25 90	25.99	25 82	— 0.19	— 0.14	— 0.24	— 0.02	— 0.05	— 0.12
30— 3 August.	25.71	25.70	25.80	25.72	25.89	25 76	— 0.22	— 0.07	— 0.26	— 0.20	— 0.15	— 0.18
4— 8 »	26.12	25.88	25.62	26 05	26 10	25.95	0.19	0 11	— 0.44	0.13	0.06	0.01
9—13 »	25.97	25.52	25.69	26.00	26.16	25.87	0.04	— 0.25	— 0.37	0.08	0.12	— 0.07
14—18 »	26.02	26.01	25.75	26.00	26.20	25.99	0.09	0.24	— 0.31	0.08	0.16	0.05
19—23 »	26.04	26.06	25.89	26.06	26.01	26.01	0.11	0.29	— 0.17	0.14	— 0.03	0.07
24—28 »	25.88	26.14	26.17	25.92	26.31	26.08	— 0.05	0.37	0.11	0.00	0.27	0.14
29— 2 September.	26.09	26 26	26.00	25.93	26.10	26.08	0.16	0.49	— 0.06	0.01	0.06	0.14
3— 7 »	26 11	26 12	26.27	26.15	26.30	26 19	0.18	0.35	0.21	0.23	0.26	0.25
8—12 »	26.11	26.28	26.28	26.40	26.38	26.29	0.18	0.51	0.22	0.48	0.34	0.35
13—17 »	26.03	26.55	26.62	25.95	26 40	26.31	0.10	0.78	0.56	0.03	0.36	0 37
18—22 »	26.26	26.44	26.47	26.38	26.39	26.39	0.33	0.67	0.41	0.46	0.35	0.45
23—27 »	26.38	26.11	26.36	26.49	26.31	26.33	0.45	0.34	0.30	0.57	0.27	0.39
28— 2 October.	26.15	26.53	26.21	26.66	26.27	26.36	0.22	0.76	0.15	0 74	0.23	0.42
3— 7 »	26.31	26.36	26.50	26 35	26.44	26.39	0.38	0.59	0.44	0.43	0.40	0.45
8—12 »	26.28	26.48	26.31	26.04	26 52	26.33	0.35	0.71	0.25	0.12	0.48	0.39
13—17 »	26.16	26.48	26.61	26.85	26.06	26.43	0.23	0.71	0.55	0.93	0.02	0.49
18—22 »	26.30	26.18	26.51	26.66	26.26	26.38	0 37	0.41	0.45	0.74	0.22	0.44
23—27 »	26.06	26 08	26 73	26.66	26.05	26.32	0.13	0.31	0.67	0.74	0.01	0.38
28— 1 November.	26.23	25.97	26.84	26.46	26.37	26.37	0.30	0.20	0.78	0.54	0.33	0.43
2— 6 »	26.50	25.89	26.56	26.18	26.01	26.23	0.57	0.12	0.50	0.26	— 0.03	0.29
7—11 »	26.63	26.23	26.58	26.08	25.83	26.27	0.70	0.46	0.52	0.16	— 0.21	0.33
12—16 »	26.46	26.12	26.24	26 00	26.11	26.19	0.53	0.35	0.18	0.08	0.07	0.25
17—21 »	26.09	26 09	26.00	26.31	26.05	26.11	0.16	0.32	— 0.06	0.39	0.01	0.17
22—26 »	25.87	25.86	26.59	25.55	25.83	25.94	— 0.06	0.09	0.53	— 0.37	— 0.21	0.00
27— 1 December.	25.65	25.75	26.47	25.57	26.18	25.92	— 0.28	— 0.02	0.41	— 0.35	0.14	— 0.02
2— 6 »	25.61	25.40	26.02	26.18	26.53	25.95	— 0.32	— 0.37	— 0.04	0.26	0.49	0.01
7—11 »	25.69	25.40	25.84	25.97	25.98	25.77	— 0.24	— 0.37	— 0 22	0.05	— 0.06	— 0.17
12—16 »	25.76	25.80	25.97	25 66	25.53	25.74	— 0.17	0.03	— 0.09	— 0.26	— 0.51	— 0.20
17—21 »	24.93	25.11	25.82	25.17	25.74	25.36	— 1.00	— 0.66	— 0.24	— 0.75	— 0.30	— 0.58
22—26 »	24.96	25.43	25.75	25.41	25.46	25.40	— 0.97	— 0.34	— 0.31	— 0.51	— 0 58	— 0.54
27—31 »	25.02	25.26	25.33	25.63	25.21	25.29	— 0.91	— 0.51	— 0.73	— 0.29	— 0.83	— 0.65

TABLE 62. — Daily range of the temperature of the air.

Centesimal degrees.

Dates.	Five-day means.						Annual variation.					
	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.
1— 5 January.	5°.0	5°.7	5°.4	5°.6	6°.1	5°.6	—1°.6	—0°.7	—1°.1	—1°.1	—0°.5	—1°.0
6—10 »	4.7	4.8	5.1	5.1	5.6	5.1	—1.9	—1.6	—1.4	—1.6	—1.0	—1.5
11—15 »	5.1	4.9	5.5	4.6	5.5	5.1	—1.5	—1.5	—1.0	—2.1	—1.1	—1.5
16—20 »	6.1	4.4	5.2	4.9	5.5	5.2	—0.5	—2.0	—1.3	—1.8	—1.1	—1.4
21—25 »	4.9	4.8	4.8	4.8	5.6	5.0	—1.7	—1.6	—1.7	—1.9	—1.0	—1.6
26—30 »	5.3	4.7	5.0	5.6	5.3	5.2	—1.3	—1.7	—1.5	—1.1	—1.3	—1.4
31— 4 February.	5.5	4.5	5.0	5.2	4.9	5.0	—1.1	—1.9	—1.5	—1.5	—1.7	—1.6
5— 9 »	5.8	4.7	4.9	5.3	4.9	5.1	—0.8	—1.7	—1.6	—1.4	—1.7	—1.5
10—14 »	4.6	5.0	4.9	4.8	5.3	4.9	—2.0	—1.4	—1.6	—1.9	—1.3	—1.7
15—19 »	5.2	4.8	4.7	5.7	5.9	5.3	—1.4	—1.6	—1.8	—1.0	—0.7	—1.3
20—24 »	4.9	4.9	5.0	5.3	6.1	5.2	—1.7	—1.5	—1.5	—1.4	—0.5	—1.4
25— 1 March.	5.0	5.0	5.3	5.5	6.0	5.4	—1.6	—1.4	—1.2	—1.2	—0.6	—1.2
2— 6 »	6.1	5.0	5.2	5.6	5.6	5.5	—0.5	—1.4	—1.3	—1.1	—1.0	—1.1
7—11 »	6.6	5.3	5.3	5.6	5.6	5.7	0.0	—1.1	—1.2	—1.1	—1.0	—0.9
12—16 »	5.9	6.5	5.3	5.5	6.3	5.9	—0.7	0.1	—1.2	—1.2	—0.3	—0.7
17—21 »	6.7	6.1	5.9	6.1	6.0	6.2	0.1	—0.3	—0.6	—0.6	—0.6	—0.4
22—26 »	6.8	6.2	6.1	6.0	5.8	6.2	0.2	—0.2	—0.4	—0.7	—0.8	—0.4
27—31 »	6.6	5.7	6.3	6.1	6.1	6.2	0.0	—0.7	—0.2	—0.6	—0.5	—0.4
1— 5 April.	6.2	6.0	6.4	6.4	6.4	6.3	—0.4	—0.4	—0.1	—0.3	—0.2	—0.3
6—10 »	6.5	6.8	6.0	6.3	6.5	6.4	—0.1	0.4	—0.5	—0.4	—0.1	—0.2
11—15 »	5.5	6.7	6.2	7.0	6.6	6.4	—1.1	0.3	—0.3	0.3	0.0	—0.2
16—20 »	6.4	6.7	6.3	6.2	6.5	6.4	—0.2	0.3	—0.2	—0.5	—0.1	—0.2
21—25 »	6.2	6.5	6.4	6.6	6.7	6.5	—0.4	0.1	—0.1	—0.1	0.1	—0.1
26—30 »	6.6	6.2	5.8	5.9	6.5	6.2	0.0	—0.2	—0.7	—0.8	—0.1	—0.4
1— 5 May.	7.0	6.3	6.2	6.2	6.6	6.5	0.4	—0.1	—0.3	—0.5	0.0	—0.1
6—10 »	7.2	6.8	6.2	6.7	6.5	6.7	0.6	0.4	—0.3	0.0	—0.1	0.1
11—15 »	6.6	6.7	6.3	6.6	6.8	6.6	0.0	0.3	—0.2	—0.1	0.2	0.0
16—20 »	7.1	7.1	6.2	6.5	6.5	6.7	0.5	0.7	—0.3	—0.2	—0.1	0.1
21—25 »	6.5	7.0	7.2	6.8	6.6	6.8	—0.1	0.6	0.7	0.1	0.0	0.2
26—30 »	6.3	6.4	6.7	7.1	5.8	6.5	—0.3	0.0	0.2	0.4	—0.8	—0.1
31— 4 June.	6.2	6.3	6.2	7.3	6.2	6.4	—0.4	—0.1	—0.3	0.6	—0.4	—0.2
5— 9 »	6.2	6.4	6.2	7.1	6.6	6.5	—0.4	0.0	—0.3	0.4	0.0	—0.1
10—14 »	6.8	6.0	5.8	6.5	6.8	6.4	0.2	—0.4	—0.7	—0.2	0.2	—0.2
15—19 »	7.3	6.5	6.7	7.5	6.7	6.9	0.7	0.1	0.2	0.8	0.1	0.3
20—24 »	7.2	6.7	6.1	7.4	6.3	6.7	0.6	0.3	—0.4	0.7	—0.3	0.1
25—29 »	7.3	6.8	6.5	7.7	7.0	7.1	0.7	0.4	0.0	1.0	0.4	0.5

TABLE 62. — Continued.

	Five-day means.						Annual variation.					
Dates.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.
30— 4 July.	7.°6	7.°4	6.°9	6.°6	6.°4	7.°0	1.°0	1.°0	0.°4	—0.°1	—0.°2	0.°4
5— 9 »	6.7	7.2	6.9	7.1	6.8	6.9	0.1	0.8	0.4	0.4	0.2	0.3
10—14 »	7.3	6.6	7.0	7.6	7.5	7.2	0.7	0.2	0.5	0.9	0.9	0.6
15—19 »	7.2	6.7	7.2	7.4	7.1	7.1	0.6	0.3	0.7	0.7	0.5	0.5
20—24 »	7.4	6.8	7.0	7.6	7.0	7.2	0.8	0.4	0.5	0.9	0.4	0.6
25—29 »	6.9	7.1	7.1	8.2	7.1	7.3	0.3	0.7	0.6	1.5	0.5	0.7
30— 3 August.	7.5	7.3	8.0	7.7	7.6	7.6	0.9	0.9	1.5	1.0	1.0	1.0
4— 8 »	7.4	7.4	7.4	8.2	7.3	7.5	0.8	1.0	0.9	1.5	0.7	0.9
9—13 »	7.9	7.6	7.6	8.0	7.7	7.8	1.3	1.2	1.1	1.3	1.1	1.2
14—18 »	7.8	7.7	7.4	8.5	7.4	7.8	1.2	1.3	0.9	1.8	0.8	1.2
19—23 »	7.7	7.9	7.7	8.1	7.9	7.9	1.1	1.5	1.2	1.4	1.3	1.3
24—28 »	7.2	7.6	8.0	8.0	7.6	7.7	0.6	1.2	1.5	1.3	1.0	1.1
29— 2 September.	7.5	8.1	7.4	8.4	7.3	7.7	0.9	1.7	0.9	1.7	0.7	1.1
3— 7 »	7.6	7.8	7.5	8.9	7.7	7.9	1.0	1.4	1.0	2.2	1.1	1.3
8—12 »	7.4	7.3	8.1	8.4	7.4	7.7	0.8	0.9	1.6	1.7	0.8	1.1
13—17 »	7.3	7.3	7.8	7.2	6.8	7.3	0.7	0.9	1.3	0.5	0.2	0.7
18—22 »	7.7	7.2	7.6	7.8	7.3	7.5	1.1	0.8	1.1	1.1	0.7	0.9
23—27 »	7.9	7.3	7.5	8.0	7.1	7.6	1.3	0.9	1.0	1.3	0.5	1.0
28— 2 October.	6.8	7.7	8.2	8.2	7.2	7.6	0.2	1.3	1.7	1.5	0.6	1.0
3— 7 »	7.7	7.5	7.8	8.0	7.4	7.7	1.1	1.1	1.3	1.3	0.8	1.1
8—12 »	7.4	7.4	7.3	7.4	7.4	7.4	0.8	1.0	0.8	0.7	0.8	0.8
13—17 »	8.0	7.5	7.3	8.0	7.3	7.6	1.4	1.1	0.8	1.3	0.7	1.0
18—22 »	7.3	6.9	7.0	7.4	7.7	7.3	0.7	0.5	0.5	0.7	1.1	0.7
23—27 »	7.0	7.3	7.3	7.4	7.4	7.3	0.4	0.9	0.8	0.7	0.8	0.7
28— 1 November.	7.0	7.1	8.0	7.7	7.0	7.4	0.4	0.7	1.5	1.0	0.4	0.8
2— 6 »	7.6	6.9	7.2	7.2	6.7	7.1	1.0	0.5	0.7	0.5	0.1	0.5
7—11 »	7.4	7.0	7.3	6.8	6.1	6.9	0.8	0.6	0.8	0.1	—0.5	0.3
12—16 »	7.1	7.2	6.4	7.0	6.9	6.9	0.5	0.8	—0.1	0.3	0.3	0.3
17—21 »	6.8	6.7	6.2	6.8	6.8	6.7	0.2	0.3	—0.3	0.1	0.2	0.1
22—26 »	6.1	6.5	7.3	6.3	6.8	6.6	—0.5	0.1	0.8	—0.4	0.2	0.0
27— 1 December.	6.3	6.5	7.0	6.1	6.8	6.5	—0.3	0.1	0.5	—0.6	0.2	—0.1
2— 6 »	6.0	5.7	6.6	6.3	7.0	6.3	—0.6	—0.7	0.1	—0.4	0.4	—0.3
7—11 »	6.5	6.3	6.6	6.6	6.4	6.5	—0.1	—0.1	0.1	—0.1	—0.2	—0.1
12—16 »	6.3	6.4	6.4	6.0	5.8	6.2	—0.3	0.0	—0.1	—0.7	—0.8	—0.4
17—21 »	4.8	5.2	5.7	5.8	5.7	5.4	—1.8	—1.2	—0.8	—0.9	—0.9	—1.2
22—26 »	5.4	5.8	6.0	5.9	6.4	5.9	—1.2	—0.6	—0.5	—0.8	—0.2	—0.7
27—31 »	4.8	5.1	5.1	6.3	6.2	5.5	—1.8	—1.3	—1.4	—0.4	—0.4	—1.1

TABLE 63. Temperature of the air. — Maxima and Minima. — 1866—1890.

Centesimal degrees.

Absolute maximum	35°.6	1877 November 6, at 1 p. m.
Absolute minimum	18.9	1877 September 9, » 6 a. m.
Maximum of daily means	28.71	1877 November 12.
Minimum of daily means	22.53	1883 August 27.
Maximum of daily oscillation	13.5	1877 September 26.
Minimum of daily oscillation	1.3	1868 February 14, 1869 June 3, 1881 February 13 and 1885 February 3.

TABLE 64. Mean temperature of the twenty four hours on eight different Moon's Phases.

Centesimal degrees.

Moon's Phases.	1866—1870.	1871—1875.	1876—1880.	1881—1885.	1886—1890.	1866—1890.
New Moon	— 0°.02	— 0°.09	— 0°.04	— 0°.05	0°.01	— 0°.04
»	— 0.05	0.10	— 0.07	0.05	— 0.01	0.01
First Quarter	0.04	— 0.06	0.05	0.06	— 0.01	0.02
»	0.00	0.06	0.07	0.09	0.01	0.05
Full Moon	0.04	0.00	— 0.05	— 0.07	— 0.09	— 0.03
»	0.07	0.00	0.02	— 0.03	— 0.04	0.00
Last Quarter	— 0.03	0.00	— 0.03	— 0.03	0.09	0.00
»	— 0.03	— 0.01	0.01	— 0.03	0.04	— 0.01
Daily means	25.92	25.78	26.06	25.92	26.03	25.94

TABLE 65. Mean daily range of the temperature on eight different Moon's Phases.

Centesimal degrees.

Moon's Phases.	1866—1870.	1871—1875.	1876—1880.	1881—1885.	1886—1890.	1866—1890.
New Moon	— 0°.08	0°.00	— 0°.07	0°.00	— 0°.12	— 0°.05
»	— 0.15	— 0.01	— 0.05	0.02	0.06	— 0.02
First Quarter	0.02	— 0.02	0.01	0.02	0.06	0.02
»	— 0.09	0.01	0.11	0.04	0.05	0.03
Full Moon	0.15	0.10	— 0.10	— 0.12	— 0.06	— 0.01
»	0.22	0.02	— 0.12	— 0.05	— 0.02	0.01
Last Quarter	— 0.13	— 0.05	0.04	0.07	0.08	0.00
»	0.04	— 0.08	0.15	0.02	— 0.05	0.02
Mean daily range	6.55	6.48	6.46	6.75	6.58	6.56

TABLE 66. Relative humidity of the air. — Mean diurnal variation in 1866—1890.

Saturation = 1000.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	61	61	71	77	83	84	95	103	104	100	85	72	83
2	65	65	74	82	87	89	101	111	109	105	91	76	88
3	68	68	79	85	90	94	105	116	114	110	95	81	92
4	72	70	82	88	94	96	108	120	118	114	99	85	95
5	75	73	85	91	96	99	111	123	123	118	103	88	99
6	77	75	88	93	98	101	113	125	126	120	105	91	101
7	75	74	85	89	93	99	109	118	111	97	84	80	93
8	45	48	47	46	54	65	72	67	47	29	24	36	48
9	— 2	3	— 12	— 20	— 12	— 2	— 3	— 17	— 38	— 52	— 48	— 22	— 19
10	— 46	— 40	— 63	— 78	— 76	— 71	— 78	— 98	— 115	— 122	— 107	— 72	— 81
11	— 79	— 75	— 101	— 117	— 120	— 120	— 136	— 156	— 162	— 160	— 142	— 108	— 124
12	— 102	— 94	— 121	— 137	— 146	— 150	— 167	— 182	— 172	— 163	— 149	— 122	— 143
1 p. m.	— 108	— 107	— 122	— 136	— 151	— 159	— 170	— 173	— 162	— 157	— 143	— 123	— 143
2	— 110	— 109	— 119	— 129	— 142	— 150	— 158	— 164	— 152	— 146	— 129	— 115	— 136
3	— 103	— 103	— 111	— 119	— 128	— 136	— 145	— 150	— 141	— 133	— 113	— 101	— 124
4	— 90	— 89	— 94	— 100	— 108	— 113	— 124	— 126	— 119	— 110	— 89	— 81	— 104
5	— 67	— 68	— 69	— 70	— 77	— 79	— 92	— 92	— 86	— 76	— 56	— 58	— 75
6	— 37	— 38	— 34	— 29	— 33	— 34	— 46	— 48	— 43	— 30	— 18	— 27	— 35
7	— 3	— 3	2	7	6	4	— 1	— 6	0	9	14	4	2
8	17	18	24	31	32	29	29	28	30	36	34	23	27
9	32	33	38	46	50	47	50	52	53	56	49	36	45
10	42	43	49	57	61	59	65	69	70	70	60	47	57
11	50	50	58	65	70	68	78	82	83	82	70	57	68
12	56	55	65	71	77	76	88	94	93	92	79	65	76
Monthly and annual means.	872	875	861	850	840	834	808	778	779	794	822	846	830

TABLE 67. Relative humidity of the air. — 1866—1890.

Saturation = 1000.

	Monthly and annual means.	Annual variation.	Mean monthly and annual oscillation.	Mean monthly and annual oscillation of daily means.	Mean daily oscillation or range.
January	872	42	396	146	239
February	875	45	384	128	235
March	861	31	404	135	262
April	850	20	414	127	278
May.	840	10	429	134	289
June	834	4	449	132	297
July.	808	— 22	495	152	324
August.	778	— 52	539	164	348
September.	779	— 51	552	173	346
October	794	— 36	530	170	338
November.	822	— 8	491	170	307
December.	846	16	438	167	271
Year	830	—	619	281	294

TABLE 68. Relative humidity of the air.

Dates.	Five-day means.						Annual variation.					
	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1830.	1831-1885.	1886-1890.	1866-1890.
1— 5 January	884	862	868	834	844	858	45	27	39	15	16	28
6—11 »	884	884	872	879	859	876	45	49	43	60	31	46
12—15 »	869	884	864	887	855	872	30	49	35	68	27	42
16—20 »	850	909	871	884	859	874	11	74	42	65	31	44
21—25 »	893	878	885	882	857	879	54	43	56	63	29	49
26—30 »	877	874	874	868	869	872	38	39	45	49	41	42
31— 4 February.	864	894	875	874	866	874	25	59	46	55	38	44
5— 9 »	857	901	885	873	873	878	18	66	56	54	45	48
10—14 »	877	895	882	881	870	881	38	60	53	62	42	51
15—19 »	881	883	882	867	851	873	42	48	53	48	23	43
20—24 »	893	881	874	878	853	876	54	46	45	59	25	46
25— 1 March.	882	874	874	863	863	871	43	39	45	44	35	41
2— 6 »	868	879	872	864	871	871	29	44	43	45	43	41
7—11 »	850	872	866	868	872	866	11	37	37	49	44	36
12—16 »	860	852	870	875	848	861	21	17	41	56	20	31
17—21 »	846	865	847	866	851	855	7	30	18	47	23	25
22—26 »	853	852	855	856	870	857	14	17	26	37	42	27
27—31 »	845	875	841	858	849	854	6	40	12	39	21	24
1— 5 April.	859	865	831	845	847	850	20	30	2	26	19	20
6—10 »	851	827	858	851	843	846	12	— 8	29	32	15	16
11—15 »	883	837	865	829	853	853	44	2	36	10	25	23
16—20 »	861	831	857	852	834	847	22	— 4	28	33	6	17
21—25 »	860	841	855	843	833	846	21	6	26	24	5	16
26—30 »	850	855	864	863	850	857	11	20	35	44	22	27
1— 5 May.	839	855	855	862	844	851	0	20	26	43	16	21
6—10 »	837	837	860	848	842	845	— 2	2	31	29	14	15
11—15 »	850	838	844	834	843	842	11	3	15	15	15	12
16—20 »	830	824	848	832	840	835	— 9	— 11	19	13	12	5
21—25 »	849	829	800	826	842	829	10	— 6	— 29	7	14	— 1
26—30 »	861	847	815	814	858	839	22	12	— 14	— 5	30	9
31— 4 June.	860	846	846	814	852	844	21	11	17	— 5	24	14
5— 9 »	867	845	849	817	845	845	28	10	20	— 2	17	15
10—14 »	847	855	857	834	833	845	8	20	28	15	5	15
15—19 »	825	837	843	809	831	829	— 14	2	14	— 10	3	— 1
20—24 »	830	827	850	798	848	830	— 9	— 8	21	— 21	20	0
25—29 »	820	811	833	784	827	815	— 19	— 24	4	— 35	— 1	— 15

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TABLE 68. — Continued.

	Five-day means.						Annual variation.					
Dates.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.
30— 4 July.	823	809	823	818	834	821	— 16	— 26	— 6	— 1	6	— 9
5— 9 »	836	815	822	796	812	816	— 3	— 20	— 7	— 23	— 16	— 14
10—14 »	825	830	825	770	791	808	— 14	— 5	— 4	— 49	— 37	— 22
15—19 »	818	818	814	784	805	808	— 21	— 17	— 15	— 35	— 23	— 22
20—24 »	815	825	812	777	812	808	— 24	— 10	— 17	— 42	— 16	— 22
25—29 »	822	806	804	768	805	801	— 17	— 29	— 25	— 51	— 23	— 29
30— 3 August.	801	808	775	763	793	788	— 38	— 27	— 54	— 56	— 35	— 42
4— 8 »	797	798	790	761	783	786	— 42	— 37	— 39	— 58	— 45	— 44
9—13 »	781	791	788	773	776	782	— 58	— 44	— 41	— 46	— 52	— 48
14—18 »	780	784	795	761	785	781	— 59	— 51	— 34	— 58	— 43	— 49
19—23 »	792	771	770	751	772	771	— 47	— 64	— 59	— 68	— 56	— 59
24—28 »	815	768	757	772	755	773	— 24	— 67	— 72	— 47	— 73	— 57
29— 2 September.	805	777	773	742	788	777	— 34	— 58	— 56	— 77	— 40	— 53
3— 7 »	797	783	787	719	780	773	— 42	— 52	— 42	— 100	— 48	— 57
8—12 »	799	777	763	741	776	771	— 40	— 58	— 66	— 78	— 52	— 59
13—17 »	812	772	747	783	791	781	— 27	— 63	— 82	— 36	— 37	— 49
18—22 »	808	793	780	757	779	783	— 31	— 42	— 49	— 62	— 49	— 47
23—27 »	778	795	786	754	784	779	— 61	— 40	— 43	— 65	— 44	— 51
28— 2 October.	820	781	780	746	777	781	— 19	— 54	— 49	— 73	— 51	— 49
3— 7 »	811	810	765	746	781	783	— 28	— 25	— 64	— 73	— 47	— 47
8—12 »	813	800	789	786	808	799	— 26	— 35	— 40	— 33	— 20	— 31
13—17 »	804	801	789	760	808	792	— 35	— 34	— 40	— 59	— 20	— 38
18—22 »	809	822	786	772	798	798	— 30	— 13	— 43	— 47	— 30	— 32
23—27 »	835	813	785	784	812	806	— 4	— 22	— 44	— 35	— 16	— 24
28— 1 November.	834	808	769	780	817	802	— 5	— 27	— 60	— 39	— 11	— 28
2— 6 »	813	829	795	810	825	814	— 26	— 6	— 34	— 9	— 3	— 16
7—11 »	798	810	789	826	833	811	— 41	— 25	— 40	7	5	— 19
12—16 »	808	825	824	819	809	817	— 31	— 10	— 5	0	— 19	— 13
17—21 »	835	836	836	816	817	828	— 4	1	7	— 3	— 11	— 2
22—26 »	830	841	794	863	819	829	— 9	6	— 35	44	— 9	— 1
27— 1 December.	852	853	810	854	825	839	13	18	— 19	35	— 3	9
2— 6 »	858	864	830	814	807	835	19	29	1	— 5	— 21	5
7—11 »	854	837	845	821	832	838	15	2	16	2	4	8
12—16 »	849	814	840	845	852	840	10	— 21	11	26	24	10
17—21 »	881	862	843	857	846	858	42	27	14	38	18	28
22—26 »	871	853	840	844	848	851	32	18	11	25	20	21
27—31 »	882	872	878	833	848	863	43	37	49	14	20	33

TABLE 69. Relative humidity of the air. — Departures of the monthly and annual means from the corresponding means for the twenty-five years 1866—1890.

Saturation = 1000.

	January	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1866	— 1	11	— 2	3	28	— 12	— 17	— 21	— 2	48	4	14	5
1867	19	14	— 9	15	— 31	13	21	43	24	48	9	46	18
1868	8	— 15	4	14	— 16	— 23	28	19	8	— 26	— 6	— 6	— 1
1869	— 2	10	— 7	22	30	44	— 1	— 13	6	9	— 9	19	9
1870	— 9	— 11	— 18	— 1	10	5	30	55	77	36	6	25	17
1871	8	16	6	11	16	— 2	19	— 21	21	35	13	41	14
1872	35	13	— 22	— 17	— 6	14	44	8	— 14	— 2	40	— 13	7
1873	— 11	— 1	22	— 14	— 11	8	— 12	2	— 19	— 13	— 26	— 12	— 7
1874	10	12	2	— 27	18	31	61	55	57	30	21	— 9	22
1875	13	12	21	10	— 28	— 39	— 72	— 23	— 23	14	— 7	16	— 8
1876	4	18	— 31	— 10	— 10	3	— 9	— 38	13	17	— 3	— 8	— 4
1877	— 8	8	3	10	— 21	— 25	— 38	— 49	— 75	— 93	— 90	— 8	— 32
1878	— 5	— 2	11	20	18	26	— 2	— 34	— 31	— 44	17	— 3	— 3
1879	17	2	6	— 3	11	12	37	70	39	29	— 20	— 6	16
1880	— 5	— 15	2	10	— 12	40	36	42	38	12	21	14	15
1881	15	— 8	11	6	— 9	— 2	— 13	— 28	— 42	— 78	— 2	— 9	— 13
1882	— 8	— 9	11	11	7	26	20	27	23	43	17	— 47	10
1883	— 5	— 4	— 21	— 13	— 22	— 57	— 66	— 40	— 20	— 4	19	— 20	— 21
1884	— 5	— 1	2	— 17	9	— 25	— 19	0	— 32	— 22	1	3	— 8
1885	6	5	15	— 2	— 10	— 64	— 51	— 47	— 64	— 73	4	12	— 22
1886	— 7	10	21	— 8	7	10	— 17	— 8	— 12	9	10	8	2
1887	— 12	— 19	— 3	— 18	13	— 8	— 12	— 5	46	— 6	20	3	0
1888	16	— 1	— 12	6	4	— 18	— 44	— 30	— 23	— 37	— 36	— 8	— 15
1889	— 15	— 18	— 1	5	— 2	21	34	3	— 1	32	— 16	— 52	— 2
1890	— 58	— 32	— 11	— 17	4	25	35	24	16	30	16	5	3
Means.	12	11	11	12	14	22	30	28	29	32	17	16	11

TABLE 70. Relative humidity of the air. — Maxima and Minima. — 1866—1890.

Saturation = 1000.

Absolute maximum	1000	1866 September 29 at 7 a. m.
		1867 June 15 at midnight and August 26 at 1 a. m.
		1868 September 1 at 3 a. m.
		1879 March 25 » 11 a. m.
		1880 December 8 » 8 and 9 p. m
		1881 January 10 » 7 and 8 a. m.
		January 21 » midnight and January 29 at 1—5 a. m.
		1882 February 19 » 6 a. m.
		1885 November 5 » 1 a. m. and 3 a m
		November 14 » 7 p. m. and November 26 at 4 a. m.
		1886 January 13 » 5 a. m. and April 6 at 5 a. m.
		1887 January 1 » 5 a. m.
Absolute minimum	262	1877 September 25 » 1 p. m.
Maximum of daily means	971	1871 December 27.
Minimum of daily means	608	1877 September 28.
Maximum of daily oscillation	628	1889 August 19.
Minimum of daily oscillation	26	1881 March 17.

TABLE 71. Tension of the atmospheric vapour. — Mean diurnal variation in 1866—1890.

Millimetres.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	—0.20	—0.19	—0.17	—0.24	—0.16	—0.08	0.13	0.22	0.14	—0.02	—0.19	—0.24	—0.08
2	—0.34	—0.33	—0.35	—0.39	—0.34	—0.26	—0.06	0.01	—0.05	—0.20	—0.31	—0.38	—0.25
3	—0.48	—0.47	—0.48	—0.55	—0.52	—0.43	—0.28	—0.19	—0.26	—0.36	—0.45	—0·48	—0.41
4	—0.57	—0.61	—0.62	—0.70	—0.70	—0.62	—0.50	—0.40	—0.44	—0.50	—0.56	—0.58	—0.57
5	—0.67	—0.70	—0.74	—0.86	—0.91	—0.81	—0.71	—0.63	—0.59	—0.65	—0.67	—0.68	—0.72
6	—0.74	—0.78	—0.88	—0.99	—1.08	—0.98	—0.91	—0.83	—0.74	—0.75	—0.71	—0.71	—0.84
7	—0.46	—0.55	—0.66	—0.71	—0.86	—0.84	—0.87	—0.74	—0.52	—0.37	—0.25	—0.31	—0.60
8	—0.03	—0.07	—0.14	—0.14	—0.28	—0.27	—0.35	—0.26	—0.06	0.08	0.17	0.11	—0.11
9	0.25	0.23	0.20	0.16	0.11	0.12	0.00	—0.04	—0.02	0.06	0.18	0.22	0.12
10	0.23	0.30	0.21	0.16	0.05	—0.03	—0.20	—0.40	—0.49	—0.34	—0.06	0.17	—0.04
11	0.18	0.22	0.16	0.13	—0.07	—0.21	—0.52	—0.80	—0.75	—0.44	—0.15	0.14	—0.18
12	0.14	0.23	0.18	0.15	—0.10	—0.25	—0.62	—0.78	—0.51	—0.20	—0.01	0.15	—0.14
1 p. m.	0.20	0.21	0.33	0.31	0.06	—0.12	—0.34	—0.30	—0.12	0.01	0.18	0.22	0.05
2	0.21	0.22	0.40	0.41	0.27	0.12	0.02	—0.12	—0.01	0.07	0.33	0.36	0.19
3	0.17	0.18	0.33	0.41	0.35	0.26	0.11	—0.05	—0.04	0.08	0.34	0.33	0.20
4	0.17	0.17	0.24	0.37	0.40	0.37	0.20	0.09	0.00	0.12	0.33	0.33	0.23
5	0.24	0.21	0.28	0.41	0.52	0.59	0.40	0.30	0.18	0.26	0.40	0.30	0.34
6	0.36	0.28	0.35	0.49	0.66	0.74	0.65	0.60	0.47	0.53	0.45	0.32	0.49
7	0.42	0.39	0.43	0.54	0.73	0.78	0.81	0.84	0.76	0.63	0.42	0.32	0.59
8	0.37	0.38	0.39	0.52	0.69	0.69	0.81	0.91	0.80	0.59	0.33	0.26	0.56
9	0.32	0.34	0.29	0.39	0.55	0.57	0.74	0.86	0.75	0.49	0.20	0.18	0.47
10	0.22	0.23	0.18	0.23	0.35	0.39	0.61	0.73	0.65	0.39	0.10	0.06	0.34
11	0.10	0.10	0.09	0.07	0.20	0.21	0.48	0.59	0.50	0.28	0.01	—0.02	0.22
12	—0.05	—0.05	—0.04	—0.07	0.01	0.05	0.33	0.42	0.31	0.14	—0.08	—0.11	0.07
Monthly and annual means	20.90	21.05	21.23	21.52	21.37	20.70	19.70	19.20	19.56	20.07	20.53	20.56	20.53

TABLE 72. Tension of the atmospheric vapour.

Dates.	Five-day means.						Annual variation.					
	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1— 5 January.	20.82	20.92	21.07	20.11	20.60	20.70	0.04	0.47	0.43	— 0.12	0.03	0.17
6—10 »	20.97	20.81	20.97	20.58	20.76	20.82	0.19	0.36	0.33	0.35	0.19	0.29
11—15 »	20.90	21.05	21.18	20.91	21.07	21.02	0.12	0.60	0.54	0.68	0.50	0.49
16—20 »	20.62	20.64	20.99	20.69	21.05	20.80	— 0.16	0.19	0.35	0.46	0.48	0.27
21—25 »	21.09	20.46	21.33	20.88	21.39	21.03	0.31	0.01	0.69	0.65	0.82	0.50
26—30 »	20.94	20.51	21.35	20.84	21.29	20.99	0.16	0.06	0.71	0.61	0.72	0.46
31— 4 February.	21.21	20.72	21.57	20.93	20.90	21.07	0.43	0.27	0.93	0.70	0.33	0.54
5— 9 »	21.00	20.88	21.63	20.86	20.73	21.02	0.22	0.43	0.99	0.63	0.16	0.49
10—14 »	21.00	20.86	21.37	20.80	20.85	20.98	0.22	0.41	0.73	0.57	0.28	0.45
15—19 »	20.89	21.04	21.60	20.91	20.79	21.05	0.11	0.59	0.96	0.68	0.22	0.52
20—24 »	21.13	20.94	21.30	21.20	20.94	21.10	0.35	0.49	0.66	0.97	0.37	0.57
25— 1 March.	21.19	20.57	21.20	21.05	21.31	21.06	0.41	0.12	0.56	0.82	0.74	0.53
2— 6 »	21.49	20.66	21.31	21.10	21.23	21.16	0.71	0.21	0.67	0.87	0.66	0.63
7—11 »	21.35	20.70	21.33	21.01	21.36	21.15	0.57	0.25	0.69	0.78	0.79	0.62
12—16 »	21.63	20.67	21.42	21.04	21.28	21.21	0.85	0.22	0.78	0.81	0.71	0.68
17—21 »	21.36	20.95	21.28	21.03	21.51	21.23	0.58	0.50	0.64	0.80	0.94	0.70
22—26 »	21.40	20.99	21.16	21.10	21.72	21.28	0.62	0.54	0.52	0.87	1.15	0.75
27—31 »	21.55	21.10	21.75	21.16	21.19	21.35	0.77	0.65	1.11	0.93	0.62	0.82
1— 5 April.	21.81	21.20	21.50	21.30	21.39	21.44	1.03	0.75	0.86	1.07	0.82	0.91
6—10 »	21.78	20.89	21.84	21.15	21.50	21.43	1.00	0.44	1.20	0.92	0.93	0.90
11—15 »	21.82	21.28	21.86	21.13	21.73	21.56	1.04	0.83	1.22	0.90	1.16	1.03
16—20 »	21.84	21.11	21.86	21.41	21.42	21.53	1.06	0.66	1.22	1.18	0.85	1.00
21—25 »	21.52	21.47	21.81	21.46	21.39	21.53	0.74	1.02	1.17	1.23	0.82	1.00
26—30 »	21.70	21.45	21.80	21.70	21.56	21.64	0.92	1.00	1.16	1.47	0.99	1.11
1— 5 May.	21.59	21.28	22.12	21.49	21.50	21.60	0.81	0.83	1.48	1.26	0.93	1.07
6—10 »	21.37	21.17	22.31	21.38	21.54	21.55	0.59	0.72	1.67	1.15	0.97	1.02
11—15 »	21.61	21.15	21.82	21.32	21.43	21.46	0.83	0.70	1.18	1.09	0.86	0.93
16—20 »	21.11	20.95	21.79	21.28	21.41	21.31	0.33	0.50	1.15	1.05	0.84	0.78
21—25 »	21.50	21.13	20.87	20.76	21.60	21.17	0.72	0.68	0.23	0.53	1.03	0.64
26—30 »	21.69	21.01	21.06	20.58	21.37	21.14	0.91	0.56	0.42	0.35	0.80	0.61
31— 4 June.	21.45	21.11	21.28	20.44	21.42	21.14	0.67	0.66	0.64	0.21	0.85	0.61
5— 9 »	21.63	21.02	21.16	20.86	21.18	21.17	0.85	0.57	0.52	0.63	0.61	0.64
10—14 »	21.27	20.82	21.02	20.87	20.80	20.96	0.49	0.37	0.38	0.64	0.23	0.43
15—19 »	20.73	20.63	20.85	20.04	20.61	20.57	— 0.05	0.18	0.21	— 0.19	0.04	0.04
20—24 »	20.44	20.51	20.38	19.78	20.85	20.39	— 0.34	0.06	— 0.26	— 0.45	0.28	— 0.14
25—29 »	20.56	20.19	20.39	19.49	20.39	20.20	— 0.22	— 0.26	— 0.25	— 0.74	— 0.18	— 0.33

TABLE 72. — Continued.

	Five-day means.						Annual variation.					
Dates.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.	1866-1870.	1871-1875.	1876-1880.	1881-1885.	1886-1890.	1866-1890.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
30— 4 July.	20.28	19.58	20.26	19.75	20.21	20.02	—0.50	—0.87	—0.38	—0.48	—0.36	—0.51
5— 9 »	20.18	19.62	20.28	19.27	19.43	19.75	—0.60	—0.83	—0.36	—0.96	—1.14	—0.78
10—14 »	20.25	19.56	20.15	18.98	19.17	19.62	—0.53	—0.89	—0.49	—1.25	—1.40	—0.91
15—19 »	19.86	19.34	19.42	19.60	19.99	19.64	—0.92	—1.11	—1.22	—0.63	—0.58	—0.89
20—24 »	20.19	20.04	19.74	19.12	19.86	19.79	—0.59	—0.41	—0.90	—1.11	—0.71	—0.74
25—29 »	20.11	19.51	19.73	18.88	19.89	19.62	—0.67	—0.94	—0.91	—1.35	—0.68	—0.91
30— 3 August.	19.49	19.68	18.90	18.59	19.48	19 23	—1.29	—0.77	—1.74	—1.64	—1.09	—1.30
4— 8 »	19.91	19.63	19.11	18.86	19 48	19.40	—0.87	—0.82	—1.53	—1.37	—1.09	—1.13
9—13 »	19.26	18.99	19.14	19.14	19.35	19.17	—1.52	—1.46	—1.50	—1.09	—1.22	—1.36
14—18 »	19.33	19.41	19.37	18.79	19.64	19.31	—1.45	—1.04	—1.27	—1.44	—0.93	—1.22
19—23 »	19.62	19.11	18.90	18.65	19.04	19.06	—1.16	—1.34	—1.74	—1.58	—1.53	—1.47
24—28 »	20.04	19.14	18.88	19.01	18.96	19.21	—0.74	—1.31	—1.76	—1.22	—1.61	—1.32
29— 2 September.	20.05	19.49	19.13	18.24	19.59	19.30	—0.73	—0.96	—1.51	—1.99	—0.98	—1.23
3— 7 »	19.85	19.51	19.74	17.82	19.55	19.29	—0.93	—0.94	—0.90	—2.41	—1.02	—1.24
8—12 »	19.91	19.52	19.17	18.73	19.57	19.38	—0.87	—0.93	—1.47	—1.50	—1.00	—1.15
13—17 »	20.10	19.67	19.18	19.33	20.01	19.66	—0.68	—0.78	—1.46	—0.90	—0.56	—0.87
18—22 »	20.30	20.14	19.83	19.11	19.71	19.82	—0.48	—0.31	—0.81	—1.12	—0.86	—0.71
23—27 »	19.69	19.79	19.79	19.18	19.73	19.64	—1.09	—0.66	—0.85	—1.05	—0.84	—0 89
28— 2 October.	20.52	19.90	19.41	19.16	19.47	19.69	—0.26	—0.55	—1.23	—1.07	—1.10	—0.84
3— 7 »	20.45	20.50	19.44	18.78	19.83	19.80	—0.33	0.05	—1.20	—1.45	—0.74	—0.73
8—12 »	20.50	20.35	19.87	19.48	20.59	20.16	—0.28	—0.10	—0.77	—0.75	0.02	—0.37
13—17 »	20.06	20.39	20.21	19.68	20.06	20.08	—0.72	—0.06	—0.43	—0.55	—0.51	—0.45
18—22 »	20.40	20.60	20.06	19.85	20.01	20.18	—0 38	0.15	—0.58	—0.38	—0.56	—0.35
23—27 »	20.82	20.21	20 27	20.17	20.13	20.32	0.04	—0.24	—0.37	—0.06	—0.44	—0.21
28— 1 November.	20.98	19.95	19.96	19.80	20.65	20.27	0.20	—0.50	—0.68	—0.43	0.08	—0.26
2— 6 »	20.73	20.43	20.31	20.29	20.43	20.44	—0.05	—0.02	—0.33	0.06	—0.14	—0.09
7—11 »	20.57	20.36	20.18	20.57	20.52	20.44	—0.21	—0.09	—0.46	0.34	—0.05	—0.09
12—16 »	20.60	20.59	20.68	20.33	20.20	20.48	—0.18	0.14	0.04	0.10	—0.37	—0.05
17—21 »	20.86	20.87	20.71	20.63	20.28	20.67	0.08	0.42	0.07	0.40	—0.29	0.14
22—26 »	20.52	20.70	20.34	20.91	20.08	20.51	—0.26	0.25	—0.30	0.68	—0.49	—0.02
27— 1 December.	20.78	20.91	20.61	20.74	20.65	20.74	0.00	0.46	—0.03	0.51	0.08	0.21
2— 6 »	20 82	20.78	20.60	20.46	20.63	20.66	0.04	0.33	—0.04	0.23	0 06	0.13
7—11 »	20.85	20.11	20.78	20.40	20.63	20.55	0.07	—0.34	0.13	0.17	0.06	0.02
12—16 »	20.87	19.95	20.85	20.60	20.60	20.57	0.09	—0.50	0.21	0.37	0.03	0 04
17—21 »	20.67	20.38	20.72	20.35	20.72	20.57	—0.11	—0.07	0.08	0.12	0.15	0.04
22—26 »	20.43	20.52	20.57	20.30	20.38	20.44	—0.35	0.07	—0.07	0.07	—0.19	—0.09
27—31 »	20.78	20.78	21.01	20.24	20 09	20.58	0.00	0.33	0.37	0.01	—0 48	0 05

TABLE 73. Tension of the atmospheric vapour. — Departures of the monthly and annual means from the corresponding means for the twenty-five years 1866—1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1866	—0.01	0.13	0.52	0.25	0.31	0.04	—0.08	—0.27	0.22	0.59	0.10	—0.36	0.13
1867	—0.06	0.17	0.10	0.28	—0.29	0.08	0.72	0.97	0.57	0.70	0.21	0.34	0.32
1868	0.00	—0.15	0.24	0.31	0.20	0.43	0.89	0.81	0.75	0.31	0.62	0.57	0.42
1869	0.16	0.56	0.73	0.29	0.36	1.02	0.08	0.03	—0.11	0.29	—0.03	0.03	0.29
1870	—0.12	—0.52	—0.42	0.00	—0.04	—0.26	0.35	0.60	0.77	0.33	—0.17	0.28	0.07
1871	—0.10	—0.08	—0.50	0.12	0.00	—0.32	0.05	—0.15	0.54	0.43	0.09	0.41	0.05
1872	0.04	—0.32	—0.80	—0.29	—0.27	·0.31	0.47	—0.17	—0.04	0.16	0.64	—0.38	—0.05
1873	—0.56	—0.58	—0.30	—0.57	—0.12	0.17	—0.17	0.25	—0.27	—0.26	—0.41	—0.34	—0.26
1874	0.01	0.05	—0.17	—0.74	0.02	0.22	0.72	0.75	0.77	0.45	0.08	—0.39	0.16
1875	—0.18	—0.09	—0.15	0.06	—0.82	—0.56	—1.58	—0.34	—0.16	0.26	0.02	0.10	—0.28
1876	0.22	0.23	—0.59	—0.23	—0.01	0.00	—0.43	—1.12	0.05	0.25	—0.18	—0.20	—0.17
1877	—0.21	—0.18	—0.10	0.40	0.44	—0.34	—0.72	—1.34	—1.86	—1.62	—0.53	0.91	—0.43
1878	1.51	1.72	1.63	1.24	1.25	0.95	0.79	—0.21	0.16	0.08	0.66	0.02	0.81
1879	0.46	0.25	0.06	—0.06	0.14	—0.14	0.93	1.16	0.86	0.35	—0.45	0.19	0.32
1880	—0.61	—0.06	—0.22	—0.06	—0.45	0.09	0.22	0.66	0.50	—0.01	0.18	—0.02	0.02
1881	—0.25	0.19	0.14	0.34	0.24	0.21	—0.17	—0.71	—1.09	—1.37	0.04	0.44	—0.17
1882	—0.07	0.24	0.12	0.32	—0.37	0.06	0.51	0.72	—0.02	0.41	—0.08	—0.93	0.08
1883	—0.19	—0.29	—0.24	—0.66	—0.72	—0.89	—1.32	—1.03	—0.58	—0.36	—0.13	—0.86	—0.60
1884	—0.30	—0.32	—0.49	—0.67	0.05	—0.48	—0.74	0.12	—0.66	—0.41	—0.06	—0.20	—0.34
1885	—0.26	—0.27	—0.24	—0.14	—0.44	—1.28	—0.81	—1.20	—1.22	—0.94	0.27	0.72	—0.48
1886	0.55	0.32	0.64	—0.20	0.33	0.44	0.19	0.06	0.08	0.28	0.03	—0.09	0.23
1887	0.00	—0.48	—0.34	—0.80	—0.43	—0.88	—0.64	—0.18	0.61	—0.47	0.01	—0.10	—0.30
1888	—0.21	—0.26	—0.11	—0.05	—0.06	0.13	—0.81	—0.32	—0.12	—0.22	—0.10	0.64	—0.12
1889	0.77	0.62	0.69	1.14	0.79	0.81	1.11	0.65	0.24	0.58	—0.20	—0.79	0.54
1890	—0.47	—0.78	—0.12	—0.19	—0.05	0.12	0.33	0.17	—0.06	0.07	—0.67	0.01	—0.13
Means.	0.29	0.35	0.39	0.38	0.33	0.41	0.59	0.56	0.49	0.45	0.24	0.37	0.27

TABLE 74. Tension of the atmospheric vapour. — 1866—1890.

1866—1890.	Monthly and annual means.	Annual variation.	Mean monthly and annual oscillation.	Mean monthly and annual oscillation of daily means.	Mean daily oscillation or range.
	mm	mm	mm	mm	mm
January	20.90	0.37	5.95	2.30	2.73
February	21.05	0.52	5.63	2.08	2.77
March	21.23	0.70	5.92	2.07	2.92
April	21.52	0.99	6.15	2.14	3.00
May	21.37	0.84	6.77	2.41	3.08
June	20.70	0.17	7.20	2.81	3.13
July	19.70	—0.83	8.10	3.27	3.25
August	19.20	—1.33	8.89	3.90	3.36
September	19.56	—0.97	8.89	3.50	3.49
October	20.07	—0.46	8.76	3.24	3.40
November	20.53	0.00	7.11	2.45	2.97
December	20.56	0.03	6.48	2.44	2.85
Year	20.53	—	12.50	6.32	3.08

TABLE 75. Tension of the atmospheric vapour. — Maxima and Minima. — 1866—1890.

	mm			
Absolute maximum	29.82	1886 June	6.	at 5 p. m.
Absolute minimum	10.07	1889 August	19.	» 11 a. m.
Maximum of daily means	23.96	1878 March	3.	
Minimum of daily means	14.71	1877 August	8.	
Maximum of daily oscillation	11.54	1875 September	6.	
Minimum of daily oscillation	0.85	1868 February	14.	

TABLE 76. Hourly, monthly and annual mean direction and velocity of the wind computed by means of Lamberts formula for the period 1881—1885.

	January.		February.		March.		April.		May.		June.	
	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.
		k. p. h.		k. p. h.		k. p. h.		k. p. h.		k. p. h.		k. p. h.
1 a. m.	N 68° W	0.49	N 43° W	0.45	N 17° W	0.27	S 24° E	0.04	N 65° E	0.12	N 67° E	0.22
2	N 58 W	0.60	N 53 W	0.40	N 28 W	0.33	N 61 E	0.05	N 52 E	0.15	N 51 E	0.19
3	N 59 W	0.69	N 56 W	0.45	N 25 W	0.31	N 37 E	0.07	N 34 E	0.10	N 48 E	0.18
4	N 50 W	0.63	N 58 W	0.44	N 33 W	0.21	N 50 E	0.11	N 5 E	0.06	N 78 E	0.17
5	N 56 W	0.62	N 45 W	0.51	N 40 W	0.24	N 54 E	0.05	N 39 E	0.05	N 79 E	0.16
6	N 59 W	0.73	N 49 W	0.57	N 31 W	0.20	N 13 W	0.03	N 76 E	0.07	N 87 E	0.14
7	N 63 W	0.68	N 48 W	0.53	N 26 W	0.37	N 79 E	0.13	N 55 E	0.20	N 89 E	0.26
8	N 65 W	1.40	N 49 W	1.23	N 29 W	0.78	N 74 E	0.70	N 48 E	0.47	N 81 E	0.63
9	N 59 W	2.64	N 49 W	2.06	N 24 W	1.12	N 83 E	1.84	N 80 E	1.65	N 88 E	1.27
10	N 51 W	4.78	N 49 W	3.50	N 19 W	2.06	N 83 E	3.50	N 84 E	3.42	S 88 E	3.18
11	N 45 W	6.50	N 43 W	5.07	N 11 W	3.30	N 73 E	4.89	N 79 E	4.28	S 87 E	4.45
12	N 35 W	7.70	N 32 W	7.00	N 4 W	5.54	N 58 E	5.81	N 67 E	5.23	N 73 E	5.52
1 p. m.	N 29 W	8.33	N 27 W	8.47	N 8 W	6.60	N 40 E	7.36	N 51 E	6.78	N 56 E	6.74
2	N 28 W	8.09	N 22 W	9.16	N 10 W	7.58	N 36 E	7.99	N 41 E	8.12	N 42 E	8.12
3	N 24 W	7.03	N 21 W	8.08	N 8 W	7.25	N 34 E	7.44	N 33 E	8.28	N 33 E	8.75
4	N 26 W	5.16	N 23 W	6.15	N 5 W	5.35	N 36 E	6.30	N 36 E	7.75	N 41 E	7.82
5	N 32 W	3.09	N 25 W	3.80	N 1 E	3.24	N 41 E	3.92	N 40 E	4.80	N 45 E	4.95
6	N 47 W	1.30	N 38 W	1.31	N 3 E	1.10	N 46 E	1.37	N 48 E	1.75	N 48 E	1.81
7	N 60 W	0.66	N 62 W	0.54	N 20 W	0.25	N 52 E	0.64	N 61 E	0.76	N 44 E	0.46
8	N 56 W	0.70	N 59 W	0.35	N 32 W	0.29	N 22 E	0.38	N 79 E	0.45	N 58 E	0.26
9	N 72 W	0.74	N 46 W	0.34	N 43 W	0.40	S 86 E	0.13	N 47 E	0.18	N 59 E	0.15
10	N 57 W	0.74	N 15 W	0.37	N 47 W	0.31	S 66 E	0.13	N 49 E	0.13	N 43 E	0.11
11	N 58 W	0.61	N 31 W	0.40	N 24 W	0.24	N 83 E	0.08	N 46 E	0.23	N 56 E	0.13
12	N 59 W	0.53	N 48 W	0.58	N 29 W	0.25	N 59 E	0.06	N 87 E	0.11	N 63 E	0.18
Means.	N 39 W	2.62	N 32 W	2.54	N 10 W	1.96	N 48 E	2.11	N 51 E	2.22	N 54 E	2.19

TABLE 76. — Continued.

	July.		August.		September.		October.		November.		December.	
	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.
		k. p. h.		k. p. h.		k. p. h.		k. p. h.		k. p. h.		k. p. h.
1 a. m.	N 69° E	0.18	N 48° E	0.23	N 54° E	0.15	N 31° E	0.17	N 78° W	0.07	N 79° W	0.41
2	N 51 E	0.24	N 52 E	0.23	N 50 E	0.14	N 51 E	0.19	S 62 W	0.07	N 64 W	0.40
3	N 45 E	0.24	N 48 E	0.29	N 29 E	0.14	N 40 E	0.19	S 72 W	0.10	N 75 W	0.38
4	N 41 E	0.17	N 67 E	0.19	N 30 E	0.15	N 43 E	0.17	S 79 W	0.07	N 85 W	0.33
5	N 49 E	0.22	N 54 E	0.17	N 24 E	0.19	N 34 E	0.15	S 83 W	0.10	N 80 W	0.35
6	N 47 E	0.19	N 58 E	0.15	N 38 E	0.26	N 34 E	0.18	N 43 W	0.13	N 76 W	0.40
7	N 49 E	0.30	N 59 E	0.33	N 46 E	0.40	N 38 E	0.67	N 19 W	0.18	N 82 W	0.63
8	N 67 E	0.82	N 66 E	1.29	N 58 E	0.90	N 68 E	1.06	N 7 E	0.23	N 81 W	1.25
9	E	2.22	N 82 E	3.13	N 88 E	2.33	N 88 E	2.19	N 62 E	0.45	N 73 W	1.83
10	N 86 E	4.05	N 88 E	4.96	N 88 E	3.92	E	3.54	N 68 E	1.48	N 61 W	2.76
11	N 81 E	5.13	N 80 E	6.26	N 74 E	5.43	N 62 E	5.07	N 51 E	2.18	N 46 W	3.42
12	N 70 E	5.75	N 60 E	7.81	N 43 E	8.00	N 34 E	7.89	N 19 E	4.66	N 37 W	4.11
1 p. m.	N 46 E	7.40	N 36 E	10.45	N 25 E	12.24	N 25 E	11.34	N 17 E	7.19	N 27 W	5.53
2	N 32 E	9.69	N 29 E	13.19	N 22 E	14.33	N 23 E	12.78	N 14 E	8.14	N 21 W	5.84
3	N 30 E	10.85	N 32 E	14.31	N 24 E	14.59	N 28 E	12.25	N 10 E	6.67	N 26 W	5.16
4	N 34 E	10.28	N 34 E	13.01	N 30 E	12.51	N 30 E	10.62	N 10 E	4.47	N 29 W	3.74
5	N 39 E	7.49	N 39 E	9.74	N 33 E	8.50	N 34 E	6.93	N 17 E	2.25	N 40 W	2.02
6	N 45 E	3.17	N 45 E	4.12	N 40 E	3.27	N 39 E	2.61	N 32 W	0.16	N 68 W	1.09
7	N 54 E	1.12	N 48 E	1.18	N 52 E	0.91	N 39 E	0.66	N 65 W	0.22	N 84 W	0.69
8	N 49 E	0.37	N 50 E	0.40	N 67 E	0.29	N 43 E	0.28	N 68 W	0.26	N 81 W	0.49
9	N 29 E	0.23	N 42 E	0.22	N 64 E	0.22	N 61 E	0.22	N 55 W	0.18	S 76 W	0.44
10	N 41 E	0.20	N 42 E	0.28	N 58 E	0.14	N 50 E	0.21	N 55 W	0.17	S 87 W	0.41
11	N 57 E	0.29	N 35 E	0.30	N 41 E	0.20	N 36 E	0.16	N 56 W	0.07	N 89 W	0.42
12	N 61 E	0.25	N 42 E	0.24	N 47 E	0.12	N 58 E	0.11	N 81 W	0.08	N 89 W	0.36
Means.	N 47 E	2.78	N 45 E	3.65	N 36 E	3.52	N 36 E	3.16	N 16 E	1.54	N 43 W	1.64

TABLE 77. Hourly, monthly and annual mean direction and velocity of the wind computed by means of Lamberts formula for the period 1886—1890.

	January.		February.		March.		April.		May.		June.	
	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.
		k.p.h.		k.p.h.		k.p.h.		k.p.h.		k.p.h.		k.p.h
1 a. m.	N 68° W	0.35	N 48° W	0.43	S 77° W	0 24	N 82° W	0.16	S 45° E	0.19	S 11° W	0.07
2	N 71 W	0.40	N 57 W	0.56	S 67 W	0.26	N 89 W	0.18	S 13 E	0.19	N 56 E	0.03
3	N 72 W	0 34	N 63 W	0.55	S 71 W	0.35	N 30 W	0.18	S 44 E	0.23	N 47 E	0.04
4	N 52 W	0.37	N 48 W	0.54	S 69 W	0.17	N 57 W	0.06	S 36 E	0.15	N 74 E	0.06
5	N 54 W	0.34	N 39 W	0.53	S 66 W	0.20	N 74 W	0.03	S 36 E	0.16	N 71 E	0.02
6	N 59 W	0.38	N 49 W	0.61	S 78 W	0.13	N 71 W	0.09	S 47 E	0.17	S 27 E	0.03
7	N 73 W	0.67	N 57 W	0.73	S 75 W	0.35	S 74 W	0.15	S 65 E	0.26	S 52 E	0.19
8	N 72 W	1.49	N 66 W	1.40	S 53 W	0.52	S 5 E	0.53	S 47 E	0.62	S 33 E	0.64
9	N 61 W	2.46	N 67 W	2 54	S 50 W	0.58	S 45 E	0 85	S 44 E	1 97	S 33 E	1.70
10	N 48 W	3.69	N 56 W	3.97	N	1.01	S 74 E	0.99	S 71 E	3.39	S 54 E	2.78
11	N 33 W	5.44	N 40 W	5.21	N	2.69	N 43 E	2.02	S 84 E	4.02	S 77 E	3.62
12	N 21 W	6.88	N 28 W	6.33	N 9 E	4.97	N 23 E	3.75	N 70 E	5 30	N 85 E	3.80
1 p. m.	N 14 W	7 99	N 23 W	7.22	N 11 E	7.22	N 17 E	5.59	N 52 E	6.66	N 63 E	4.42
2	N 11 W	8.37	N 18 W	7.74	N 7 E	7.21	N 16 E	6.84	N 41 E	7.38	N 45 E	5.85
3	N 13 W	7.15	N 18 W	6.92	N 4 E	6 70	N 15 E	6.41	N 36 E	7.29	N 41 E	6.48
4	N 19 W	5.12	N 20 W	5.07	N 1 W	4.99	N 9 E	4.36	N 38 E	5.66	N 45 E	5 66
5	N 31 W	3.25	N 28 W	3.08	N 17 W	2.90	N 7 E	2.26	N 46 E	2.91	N 54 E	3.35
6	N 43 W	1.38	N 38 W	1.40	N 66 W	0.74	N 72 W	0.31	N 74 E	0.72	N 79 E	1.30
7	N 76 W	0.79	N 56 W	0.75	S 72 W	0.71	S 66 W	0.48	S 56 E	0.30	S 80 E	0.50
8	N 66 W	0.53	N 71 W	0.55	S 71 W	0.43	S 53 W	0.46	S 29 E	0.32	S 46 E	0.24
9	N 67 W	0.47	N 52 W	0.51	S 56 W	0.39	S 63 W	0.41	S 57 E	0.19	S 12 E	0.24
10	N 64 W	0.35	N 52 W	0.42	S 84 W	0.31	S 73 W	0.26	S 47 E	0.38	S 9 E	0.25
11	N 73 W	0.37	N 62 W	0.49	S 77 W	0.31	S 79 W	0.22	S 53 E	0.33	S 26 E	0.12
12	N 71 W	0.36	N 52 W	0.43	S 74 W	0.29	S 88 W	0.22	S 53 E	0.28	S 83 E	0.06
Means.	N 28 W	2 31	N 33 W	2.31	N 5 W	1.49	N 16 E	1.20	N 63 E	1.72	N 69 E	1.44

TABLE 77. — Continued.

	July.		August.		September.		October.		November.		December.	
	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.
		k.p.h.		k.p.h.		k.p.h.		k.p.h.		k.p.h.		k.p.h.
1 a. m.	N 74° E	0.28	S 52° E	0 22	N 47° E	0.16	S 14° E	0.05	S 59° W	0.37	N 87° W	0.46
2	N 69 E	0.37	S 80 E	0.25	S 84 E	0.13	N 46 E	0.03	S 65 W	0.26	N 88 W	0.55
3	N 65 E	0.39	S 74 E	0.21	S 82 E	0.18	S 22 E	0.14	S 83 W	0.33	N 84 W	0.57
4	N 68 E	0.24	S 35 E	0.20	N 71 E	0.21	S 25 E	0.15	N 87 W	0.21	N 87 W	0 53
5	N 72 E	0.31	S 47 E	0.19	N 49 E	0 21	S 55 E	0.16	N 85 W	0.19	S 83 W	0.47
6	N 84 E	0.26	S 50 E	0.23	N 69 E	0.32	S 36 E	0.19	S 85 W	0.35	S 88 W	0.50
7	N 78 E	0.40	S 58 E	0.53	S 76 E	0.53	S 40 E	0.49	S 81 W	0.98	S 86 W	1.01
8	S 47 E	0.77	S 29 E	1.30	S 20 E	1.63	S 10 E	1.28	S 63 W	1.35	S 83 W	1.84
9	S 48 E	1.99	S 22 E	2.69	S 33 E	2.63	S 26 E	2.41	S 59 W	1.40	N 88 W	2.80
10	S 57 E	3.47	S 59 E	3.31	S 61 E	3.57	S 53 E	3.07	S 74 W	0.77	N 74 W	3.05
11	S 80 E	3.92	S 82 E	4.64	N 88 E	4.08	S 77 E	3.59	N 23 W	1.59	N 49 W	3.91
12	N 78 E	4.79	N 73 E	5.88	N 46 E	6 44	N 46 E	5.66	N 1 E	3.96	N 31 W	4.66
1 p. m.	N 54 E	6.92	N 40 E	8.62	N 30 E	9.64	N 32 E	8.38	N 7 E	6.19	N 22 W	6 00
2	N 41 E	8.73	N 36 E	10.99	N 29 E	11.56	N 30 E	9.42	N 3 E	6.78	N 17 W	6.15
3	N 38 E	9.58	N 34 E	12.45	N 31 E	11.05	N 28 E	9.25	N 3 E	6.02	N 23 W	4.68
4	N 41 E	8.99	N 38 E	11.28	N 33 E	9.63	N 34 E	7.03	N 9 W	3.55	N 34 W	3.29
5	N 44 E	6.00	N 42 E	8.24	N 36 E	6.89	N 40 E	4.24	N 34 W	1.63	N 65 W	1.99
6	N 52 E	2.40	N 47 E	3.74	N 43 E	2.57	N 52 E	1.06	S 72 W	0.95	S 85 W	1.31
7	N 63 E	0.85	N 59 E	1.08	N 45 E	0.62	S	0.39	S 65 W	1.07	S 79 W	1.14
8	N 84 E	0.31	N 81 E	0.41	S 28 E	0.19	S 20 W	0.40	S 59 W	1.01	S 68 W	0.97
9	S 82 E	0.28	S 82 E	0.15	S 33 E	0.21	S 17 W	0.45	S 66 W	0.61	S 71 W	0.75
10	S 87 E	0.29	S 20 E	0.28	S 83 E	0.20	S 21 W	0.37	S 59 W	0.67	S 81 W	0.62
11	N 85 E	0.42	S 20 E	0.21	S 73 E	0.25	S 6 W	0 31	S 63 W	0.53	S 67 W	0.64
12	N 83 E	0.39	S 15 E	0.23	N 78 E	0.18	S 28 W	0.19	S 65 W	0.49	S 88 W	0.62
Means.	N 59 E	2.30	N 54 E	2.69	N 46 E	2.56	N 49 E	1 79	N 25 W	1.11	N 52 W	1 71

TABLE 78. Hourly, monthly and annual mean direction and velocity of the wind computed by means of Lambert's formula for the period 1879—1890.

	January.		February.		March.		April.		May.		June.	
	Mean direction.	Mean velocity.	Mean direction.	Mean veloci'y.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.
	°	k p. h.	°	k. p. h.	°	k. p. h.	°	k. p. h.	°	k. p. h.	°	k. p. h.
1 a. m.	N 79 W	0.54	N 58 W	0.50	N 76 W	0.26	S 75 W	0.40	N 54 E	0.06	N 87 E	0.08
2	N 76 W	0.59	N 65 W	0.61	N 75 W	0 29	S 74 W	0 10	S 78 E	0.05	N 49 E	0.09
3	N 76 W	0.65	N 69 W	0.62	N 79 W	0.30	N 45 W	0.11	S 86 E	0 06	N 52 E	0.10
4	N 68 W	0.57	N 63 W	0.58	N 81 W	0.22	N 33 W	0.04	N 10 E	0.01	N 78 E	0.11
5	N 70 W	0.58	N 56 W	0.59	N 84 W	0.28	S 85 W	0.03	S 84 E	0.04	E	0.07
6	N 72 W	0.63	N 61 W	0.64	N 78 W	0.21	N 73 W	0.08	S 87 E	0.08	S 78 E	0.05
7	N 80 W	0.82	N 63 W	0.73	N 79 W	0.39	S 68 W	0.08	N 53 E	0.15	S 74 E	0.15
8	N 78 W	1.50	N 65 W	1.28	N 83 W	0.66	S 42 E	0.25	N 74 E	0.24	S 61 E	0.43
9	N 68 W	2.86	N 65 W	2.43	N 79 W	0.90	S 76 E	0.97	S 71 E	1.34	S 57 E	1 22
10	N 57 W	4 50	N 58 W	3.89	N 40 W	1.67	N 88 E	1.89	S 87 E	2.98	S 72 E	2.52
11	N 47 W	6.07	N 46 W	5.38	N 23 W	3.04	N 59 E	2.99	N 82 E	3.72	S 87 E	3.59
12	N 36 W	7.30	N 36 W	6.82	N 11 W	5.01	N 38 E	4.14	N 64 E	4.78	N 74 E	4.13
1 p.m.	N 28 W	8.17	N 30 W	7.98	N 8 W	6.44	N 23 E	6.09	N 45 E	6.27	N 53 E	5.12
2	N 26 W	7.99	N 26 W	8.37	N 11 W	6.98	N 20 E	7.05	N 34 E	7.34	N 37 E	6.36
3	N 26 W	6.76	N 25 W	7.43	N 11 W	6.33	N 19 E	6.43	N 27 E	7.45	N 30 E	6.94
4	N 31 W	4.94	N 27 W	5.66	N 12 W	4.65	N 18 E	4 84	N 30 E	6.35	N 38 E	5.96
5	N 41 W	3.16	N 33 W	3.48	N 18 W	2.81	N 20 E	2.66	N 35 E	3.59	N 44 E	3.68
6	N 56 W	1.46	N 45 W	1.46	N 45 W	0.76	N 28 E	0.39	N 45 E	1.40	N 59 E	1.27
7	N 80 W	0.87	N 68 W	0.77	S 86 W	0.51	S 59 W	0.11	N 67 E	0.38	N 67 E	0.33
8	N 75 W	0.74	N 75 W	0.56	W	0.38	S 73 W	0.20	S 73 E	0.28	S 74 E	0.18
9	N 79 W	0.74	N 65 W	0.49	W	0.38	S 46 W	0.19	N 83 E	0.12	S 49 E	0.12
10	N 72 W	0.66	N 56 W	0.43	N 85 W	0.34	S 52 W	0 14	S 73 E	0.14	S 26 E	0.11
11	N 77 W	0.65	N 61 W	0.51	N 85 W	0.29	S 61 W	0.11	N 83 E	0.17	S 69 E	0.04
12	N 77 W	0.56	N 58 W	0.57	N 84 W	0.28	S 75 W	0.12	S 87 E	0.11	E	0 06
Means.	N 43 W	2.50	N 39 W	2.50	N 22 W	1.65	N 29 E	1.42	N 49 E	1.80	N 55 E	1.58

TABLE 78. — Continued.

	July.		August.		September.		October.		November.		December.	
	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.
	°	k. p. h	°	k. p. h.	°	k. p h.	°	k. p. h.	°	k. p. h.	°	k. p. h.
1 a. m.	N 59 E	0.22	N 88 E	0.15	N 53 E	0.15	N 22 W	0.03	S 63 W	0.23	N 84 W	0.47
2	N 52 E	0.32	N 71 E	0.19	N 73 E	0.14	N	0.06	S 66 W	0.22	N 77 W	0 49
3	N 49 E	0.32	N 56 E	0.21	N 76 E	0.15	S 56 E	0.02	S 70 W	0.21	N 81 W	0.46
4	N 46 E	0.24	S 88 E	0 13	N 68 E	0.15	S 76 E	0.04	S 74 W	0.13	N 85 W	0.45
5	N 49 E	0.29	N 80 E	0.12	N 45 E	0 16	N 63 E	0.09	S 81 W	0.14	N 88 W	0.38
6	N 51 E	0.24	N 71 E	0.12	N 57 E	0.28	N 80 E	0.09	N 88 W	0.24	N 83 W	0.47
7	N 51 E	0.37	N 75 E	0.32	N 75 E	0.38	N 73 E	0.29	S 81 W	0.54	N 86 W	0.88
8	N 82 E	0.66	S 86 E	0.84	S 58 E	0.69	S 48 E	0.60	S 62 W	0.74	W	1.64
9	S 78 E	1.97	S 70 E	2.06	S 65 E	2.01	S 57 E	1.67	S 48 W	0.66	N 84 W	2.39
10	S 82 E	3.42	S 84 E	3.76	S 82 E	3.36	S 74 E	2.77	N 55 E	0.19	N 71 W	3 09
11	N 86 E	4.53	N 83 E	5.17	N 77 E	4.50	N 77 E	3.55	N 10 E	1.32	N 51 W	3.81
12	N 70 E	5.32	N 63 E	6.53	N 43 E	6.76	N 36 E	6.05	N 6 E	3.96	N 36 W	4.65
1 p. m.	N 49 E	7.06	N 37 E	8.96	N 24 E	10.31	N 24 E	9.09	N 7 E	6.35	N 26 W	6.14
2	N 33 E	9.00	N 29 E	11.30	N 21 E	12.31	N 20 E	10.29	N 4 E	7.25	N 23 W	6.41
3	N 30 E	9.79	N 29 E	12.49	N 23 E	12.25	N 23 E	9.83	N 2 E	6.09	N 28 W	5.26
4	N 34 E	9.29	N 32 E	11.38	N 27 E	10.59	N 26 E	7.80	N 5 W	3.87	N 34 W	3 88
5	N 37 E	6.48	N 37 E	8.41	N 30 E	7.26	N 32 E	4.83	N 14 W	1.73	N 53 W	2.27
6	N 43 E	2.70	N 43 E	3.66	N 35 E	2.69	N 37 E	1.48	S 83 W	0.62	N 80 W	1.29
7	N 50 E	0.95	N 49 E	1.04	N 39 E	0.72	S 77 E	0.12	S 68 W	0.66	S 88 W	0.94
8	N 51 E	0.34	N 58 E	0.41	N 80 E	0.14	S 4 W	0.19	S 65 W	0.56	S 80 W	0 74
9	N 62 E	0.23	N 57 E	0.21	N 85 E	0.12	S 19 W	0.18	S 76 W	0.39	S 75 W	0.55
10	N 57 E	0.21	S 85 E	0.15	N 61 E	0.17	S 41 W	0.11	S 66 W	0.41	S 84 W	0.51
11	N 65 E	0.33	N 81 E	0.14	N 60 E	0 21	S 16 W	0 09	S 70 W	0.33	S 81 W	0.57
12	N 63 E	0.31	S 81 E	0.10	N 46 E	0.16	S 38 W	0.07	S 69 W	0.29	W	0.54
Means.	N 49 E	2.49	N 45 E	2.99	N 36 E	2.88	N 35 E	2.16	N 9 W	1.19	N 49 W	1 81

TABLE 79. Daily means of the North and East components of the wind for 1881—1885.

NORTH.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1.54	2.18	2.52	1.14	1.00	1.04	1.14	1.73	2.94	2.90	1.98	1.06
2	1.97	1.98	2.65	1.65	0.30	1.29	1.40	1.85	2.78	3.21	2.38	1.74
3	2.13	1.66	2.43	1.87	1.68	0.95	1.54	2.09	2.08	2.91	2.58	1.38
4	2.01	2.50	2.09	1.46	1.34	1.29	1.38	2.28	3.37	2.21	2.64	0.76
5	1.99	2.38	2.18	1.39	1.05	1.19	1.82	2.19	3.10	3.44	1.53	1.07
6	2.00	2.09	1.78	1.21	1.61	0.66	1.76	3.08	2.90	3.27	1.69	0.56
7	2.31	1.95	2.30	0.91	1.20	1.01	2.14	2.65	3.24	2.10	1.89	0.60
8	1.93	2.50	1.99	1.35	1.80	0.50	1.94	2.51	2.92	2.04	1.98	—0.10
9	1.48	2.10	2.55	1.22	1.67	0.89	1.81	2.55	3.09	2.16	2.01	0.66
10	2.30	2.11	2.50	0.71	1.76	0.79	1.89	2.32	3.17	2.69	1.55	1.00
11	2.04	2.12	1.90	1.56	1.65	0.71	1.33	2.40	2.97	3.10	2.20	1.21
12	2.24	2.60	1.30	1.67	1.70	1.14	1.92	2.58	3.05	2.04	2.00	1.20
13	2.32	2.12	1.65	2.55	1.29	1.51	1.64	2.26	2.66	2.14	1.17	1.24
14	2.15	1.55	1.42	1.60	1.47	1.66	1.87	2.40	2.86	2.86	1.01	1.41
15	2.10	1.97	2.60	1.10	1.36	1.20	2.42	2.63	2.40	2.61	0.64	1.56
16	2.00	2.89	1.63	1.29	1.65	0.50	1.44	2.92	2.14	2.95	1.16	1.41
17	2.44	2.00	1.77	2.40	1.64	0.48	1.61	2.87	1.85	3.15	1.49	1.50
18	1.93	1.50	2.34	1.53	1.74	1.36	1.74	2.79	2.59	2.35	1.92	0.96
19	1.75	1.55	2.50	1.70	1.60	1.33	2.22	2.22	2.38	2.77	1.59	1.10
20	1.35	1.88	1.62	1.31	1.59	2.03	1.92	3.21	2.73	3.16	0.91	1.21
21	1.86	2.06	2.34	1.58	1.50	2.13	1.48	2.87	3.64	2.68	1.79	0.99
22	2.28	2.76	1.89	1.83	0.80	1.91	1.90	2.65	3.16	2.16	0.94	0.87
23	2.21	2.31	1.41	1.03	1.52	1.37	2.12	3.02	2.98	2.49	0.72	1.05
24	2.14	2.04	1.84	1.90	1.47	1.74	1.92	3.02	2.90	2.89	1.07	1.56
25	2.18	2.48	1.52	1.59	1.46	1.11	1.69	2.97	2.84	2.72	1.45	2.05
26	1.95	2.09	1.43	0.83	1.29	0.83	2.74	2.56	2.68	1.38	0.86	1.72
27	2.28	2.53	2.02	0.96	1.48	1.42	1.97	2.43	3.34	2.76	0.91	1.20
28	2.15	2.47	1.81	0.56	1.13	2.46	2.52	2.18	2.94	2.60	0.58	1.09
29	2.53		1.44	0.76	1.54	1.89	2.58	2.79	3.12	1.68	0.94	1.68
30	2.11		1.34	1.34	1.52	1.95	2.48	3.39	2.87	1.48	0.68	1.58
31	1.75		1.21		0.50		2.12	3.08		2.64		1.74
Monthly means.	2.05	2.16	1.93	1.40	1.40	1.28	1.89	2.60	2.86	2.57	1.48	1.20

EAST.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	—0.87	—0.81	—1.37	0.41	1.54	2.89	1.98	3.28	1.97	1.88	1.34	0.02
2	—2.33	—1.29	—0.73	1.88	1.81	2.04	1.69	2.96	2.28	2.96	0.81	—0.31
3	—2.44	—1.53	—1.54	1.48	1.74	1.70	1.52	3.18	2.87	2.46	1.10	—0.63
4	—2.41	—1.51	—1.22	0.93	1.68	1.79	0.90	2.27	2.59	1.90	1.00	—0.92
5	—2.18	—1.22	—0.75	0.66	1.33	1.47	1.02	1.99	1.67	1.69	0.80	—1.58
6	—2.22	—1.38	—1.35	0.16	1.51	2.62	0.72	3.18	2.31	1.94	0.82	—1.57
7	—1.89	—0.92	—0.96	0.47	1.97	3.41	1.64	3.91	1.94	1.20	1.33	—1.24
8	—1.41	—1.96	—0.83	2.44	2.43	3.24	1.18	3.59	1.76	1.05	1.69	—0.82
9	—1.27	—2.30	—0.12	2.10	0.90	1.88	—0.09	3.35	0.96	1.00	1.48	0.41
10	—1.24	—1.40	—0.75	1.91	0.93	0.02	0.53	2.53	2.30	1.55	0.61	0.52
11	—1.37	—1.78	—0.25	1.91	1.18	0.51	1.66	2.46	1.95	2.09	0.56	0.12
12	—1.70	—2.15	0.06	2.25	2.44	0.52	2.49	2.74	2.51	2.68	0.73	—0.91
13	—1.87	—1.80	—0.30	1.80	1.65	1.09	2.08	2.09	1.96	2.77	0.34	—1.11
14	—1.37	—0.83	—0.05	1.18	2.23	0.82	2.32	2.49	1.29	3.58	—0.46	—1.60
15	—1.80	—1.12	0.46	1.44	2.89	1.04	2.60	3.51	1.17	2.66	—1.05	—1.17
16	—1.79	—0.56	0.11	1.98	2.04	1.84	3.26	2.79	1.21	1.71	—0.58	—0.76
17	—2.08	—1.56	—0.28	2.11	1.14	1.07	2.82	2.84	1.49	2.46	—1.08	—1.28
18	—2.24	—1.76	—1.01	1.70	1.70	2.13	2.66	2.62	0.99	2.52	—0.85	—1.71
19	—1.76	—1.30	—0.45	0.76	2.03	1.10	2.68	3.23	1.60	2.02	0.70	—2.19
20	—1.90	—1.89	0.05	0.98	1.27	1.84	2.22	2.00	2.56	2.03	—0.51	—2.76
21	—1.56	—1.40	—0.23	1.62	0.92	1.74	0.85	1.96	3.25	1.31	0.41	—2.28
22	—1.50	—1.27	—0.02	1.86	1.29	2.04	1.04	1.66	2.29	0.43	0.80	—2.72
23	—1.16	—1.32	—0.26	2.37	1.97	1.32	2.90	1.99	1.68	0.80	1.00	—2.25
24	—1.70	—0.95	—0.36	2.76	1.31	2.32	3.71	2.10	2.04	1.24	0.72	—0.88
25	—1.30	—1.02	0.11	1.16	1.51	2.94	4.54	2.61	1.83	1.42	0.22	—0.29
26	—0.77	—0.66	0.45	1.80	1.00	2.39	2.84	1.63	2.60	0.83	0.18	—0.97
27	—0.68	—0.32	0.35	1.84	1.78	2.52	2.57	2.09	3.61	1.17	0.11	—1.32
28	—1.70	—0.59	—0.16	1.80	2.09	1.78	1.78	2.67	3.92	1.46	0.56	—1.34
29	—1.57		0.59	1.20	1.91	2.43	2.79	1.14	1.53	1.51	0.09	—0.39
30	—1.30		—0.37	1.43	1.67	1.21	1.94	1.96	1.80	2.58	—0.14	—1.30
31	—0.70		0.85		2.60		2.56	2.77		2.33		—1.66
Monthly means.	—1.62	—1.32	—0.33	1.55	1.69	1.78	2.05	2.57	2.06	1.85	0.42	—1.13

TABLE 80. Daily means of the North and East components of the wind for 1886—1890.

NORTH.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1.99	2.61	2.60	0.62	1.19	0.35	0.02	1.58	1.74	0.53	1.37	0.57
2	1.93	2.47	2.34	1.44	0.31	0.56	0.11	1.28	2.22	1.36	1.23	0.94
3	1.99	1.62	0.93	1.01	0.85	0.30	0.35	1.84	1.47	0.73	1.02	0.83
4	1.23	2.23	1.23	1.04	0.80	0.28	1.23	1.31	0.57	1.57	0.96	1.07
5	2.31	2.71	0.82	0.15	1.27	0.80	1.79	1.43	1.80	1.43	0.77	1.51
6	1.45	1.78	1.70	1.34	0.89	0.34	0.95	1.38	1.60	1.01	0.34	1.84
7	2.19	1.96	1.69	1.28	1.49	0.40	0.89	2.19	2.56	1.30	0.85	1.29
8	2.54	1.91	2.02	0.86	1.32	0.49	0.84	2.05	1.96	1.04	0.98	1.33
9	2.20	1.82	2.09	1.24	1.49	1.13	1.17	1.55	2.12	1.45	0.52	1.08
10	2.32	2.38	1.68	1.48	1.15	0.34	1.08	0.85	2.26	2.08	1.31	0.69
11	2.31	2.02	1.00	1.09	1.21	—0.10	1.55	1.47	2.01	0.49	1.11	0.80
12	2.49	2.25	1.93	1.68	0.62	0.54	0.91	1.69	2.08	1.23	0.20	0.47
13	1.42	2.34	1.77	1.05	1.04	0.48	1.14	1.55	1.57	1.29	1.41	0.14
14	1.51	1.55	1.75	1.34	0.95	0.89	1.20	1.93	1.26	—0.05	0.77	0.51
15	2.86	2.62	1.14	1.36	0.60	0.71	1.15	1.92	1.28	0.99	0.93	0.81
16	2.00	2.21	1.80	1.74	0.84	0.42	1.23	1.84	1.85	1.36	1.99	0.65
17	1.95	1.68	0.81	1.08	0.46	0.52	1.49	1.97	1.66	0.72	1.15	1.12
18	1.78	1.71	1.44	1.16	—0.24	0.66	0.66	1.63	2.46	1.55	0.74	1.88
19	1.47	1.36	1.89	1.91	—0.36	—0.04	2.06	1.09	1.65	1.33	1.42	1.45
20	2.00	1.50	2.16	1.25	—0.07	0.53	1.15	1.86	0.82	0.85	1.43	0.58
21	2.41	0.94	2.11	1.40	0.23	0.06	0.64	2.03	2.16	0.90	1.28	1.16
22	1.83	1.62	1.64	1.15	0.05	0.34	1.69	1.74	2.12	0.72	1.14	1.34
23	2.37	2.04	1.14	0.95	0.12	1.26	1.36	1.57	1.77	1.30	0.84	1.73
24	2.43	2.12	0.69	0.79	1.36	1.04	1.84	0.67	2.01	1.14	1.14	1.52
25	1.95	1.53	1.13	0.71	0.74	0.25	1.71	0.75	1.74	1.52	1.08	1.01
26	1.93	1.56	1.64	0.97	1.16	0.54	1.53	1.18	1.96	1.32	0.90	0.68
27	1.92	1.78	1.06	1.05	0.87	0.53	1.62	1.89	2.24	0.81	1.32	0.92
28	1.81	1.56	1.63	1.11	0.59	0.46	1.39	2.49	1.59	1.49	1.41	1.63
29	2.10		0.69	1.25	0.80	0.42	1.45	1.56	2.33	1.87	1.00	1.38
30	2.47		0.69	1.13	1.08	0.72	1.53	1.52	1.02	1.62	0.46	0.96
31	1.88		0.88		1.22		1.31	1.70		1.55		0.73
Monthly means.	2.03	1.95	1.49	1.15	0.78	0.51	1.19	1.59	1.79	1.17	1.04	1.05

EAST.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	—2.27	—1.39	—0.76	0.05	0.22	1.29	4.98	2.70	1.95	1.17	0.44	—0.77
2	—1.70	—1.36	—1.04	0.69	—0.01	—0.40	2.47	2.36	2.56	0.88	1.65	0.49
3	—1.66	—1.51	—0.94	—0.06	0.69	—0.89	2.64	2.40	1.63	1.41	0.18	0.16
4	—1.81	—2.06	—0.27	—0.68	1.09	1.03	1.63	1.54	2.33	1.37	0.02	—0.54
5	—1.75	—2.42	—0.98	—0.13	—0.35	0.45	0.57	1.47	2.35	1.24	—0.31	—0.93
6	—1.91	—1.84	—1.02	1.12	1.04	1.42	1.39	3.08	3.86	1.12	—0.22	—0.16
7	—1.00	—1.59	—0.99	2.54	2.44	0.30	1.81	1.64	1.81	1.35	0.29	—0.81
8	—0.54	—1.75	—0.15	1.39	1.82	0.92	1.27	2.18	1.07	1.90	0.12	—0.65
9	—0.87	—1.55	0.32	1.12	1.65	1.33	1.19	1.29	3.30	2.64	0.03	—0.94
10	—0.84	—0.99	0.53	1.24	0.80	1.13	1.93	1.01	2.33	2.61	0.15	—0.84
11	—0.82	—1.73	0.71	1.21	1.71	1.23	2.70	2.45	1.40	1.80	—0.59	—1.85
12	—0.87	—1.97	1.19	1.20	0.47	1.46	2.34	2.55	1.84	2.14	—1.37	—1.54
13	—1.51	—1.12	0.90	1.55	0.98	1.32	2.87	2.05	3.30	—0.12	—1.18	—1.56
14	—1.78	—0.85	0.62	0.77	1.59	1.73	2.14	1.81	3.10	0.34	—0.90	—1.60
15	—0.70	—0.43	—0.57	0.54	2.46	1.27	2.01	1.92	2.41	0.87	—0.87	—1.39
16	—0.09	—0.15	0.68	—0.56	0.56	0.15	0.60	2.68	2.49	1.18	—1.06	—2.12
17	—0.34	—1.28	0.20	—2.00	2.31	0.66	1.52	2.04	2.11	1.05	—1.76	—2.02
18	0.18	—1.14	0.99	—2.00	3.54	2.16	1.60	3.06	1.98	1.79	—0.85	—1.44
19	—0.06	—1.22	0.98	—1.64	4.64	3.18	3.43	3.43	0.32	1.62	0.82	—0.93
20	—0.62	—0.84	—0.17	—1.41	3.21	2.10	2.50	0.98	0.74	1.94	—0.78	—1.54
21	—0.58	—2.16	—0.32	—0.24	3.03	0.48	2.75	1.61	0.96	1.30	—1.25	—2.69
22	—0.45	—1.47	—1.22	—0.01	3.13	1.44	1.13	1.34	1.26	1.18	—0.80	—1.38
23	—1.29	—0.72	0.55	—0.40	3.33	1.66	2.04	2.78	1.15	2.01	—1.52	—0.77
24	—0.96	—0.91	—0.07	0.16	1.92	2.30	2.15	3.12	1.60	1.89	—1.13	—1.68
25	—0.96	—0.98	0.56	0.56	—0.05	2.05	1.79	1.74	1.40	1.37	—0.89	—2.66
26	—1.09	—0.63	—0.60	0.86	0.79	2.04	1.88	3.01	1.64	1.29	—0.83	—1.77
27	—1.02	—0.49	—0.75	1.08	0.65	1.83	1.58	2.63	1.01	1.98	—0.20	—2.27
28	—1.39	—0.54	—0.40	0.51	0.19	2.92	2.12	1.96	1.03	1.00	—0.23	—2.58
29	—0.97		—1.33	0.84	0.60	2.20	1.63	1.48	0.87	0.93	—0.56	—1.79
30	—1.26		—0.91	1.35	1.80	1.66	1.11	2.62	1.18	0.38	—0.31	—1.45
31	—2.61		0.41		1.36		0.97	2.23		0.26		—1.99
Monthly means.	—1.08	—1.27	—0.12	0.32	1.54	1.35	1.96	2.17	1.83	1.35	—0.13	—1.35

TABLE 81. Daily means of the North and East components of the wind for 1879—1890.

NORTH.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1.50	2.11	2.31	0.61	1.28	0.93	0.88	1.68	2.36	1.03	1.77	0.84
2	1.90	2.12	2.04	1.20	0.55	1.04	1.01	1.56	2.48	2.01	1.67	1.40
3	2 00	1.89	1.38	1.07	1.23	0.78	0.88	1.96	1.63	1.96	1.40	1.21
4	1.09	2.36	1.25	1.14	1.14	0.89	1.32	1.77	2.05	1.85	1.61	1.17
5	2.05	2.53	1.13	0.93	1.27	1.14	1.73	1.78	2.18	2.22	0.82	1.49
6	1.20	1.97	1.55	1.39	1 13	0.64	1.40	2.20	2.33	2.17	1.20	1.38
7	1.56	2.04	1.94	1.40	1.46	0.70	1.43	2.48	2.86	1.80	1.09	1.19
8	1.79	2.41	1.91	1.10	1.71	0.49	1.52	2.17	2.43	1.64	1.28	1.02
9	1.45	1.97	1.87	1.16	1.82	1.00	1.67	1.98	2.83	2.07	1.09	0.84
10	2.18	2.13	1.70	1.15	1.70	0.36	1.55	1.79	2.87	2.70	1.46	0.86
11	2.06	2.26	1.39	1.41	1.29	0.25	1.51	1.65	2.41	2.04	1 61	0.95
12	2.02	2.31	1.54	1.73	1.02	0.80	1.40	2.05	2 44	1.79	1.17	0.81
13	1.89	2.34	1.75	1.39	1.44	1.07	1.45	1.67	2.29	1.66	1.37	0.93
14	1.75	1.60	1.77	1.32	1 26	1.17	1.76	2.30	2.20	1.34	0.92	1.03
15	2.14	2.26	1.93	1.43	1.04	1.11	1.88	2.37	2.03	2.00	0.75	1 16
16	1.62	2.73	1.72	1.77	1.35	0.51	1.41	2.23	2.07	2.27	1.57	0.87
17	1.90	1.74	1.05	1.70	1.19	0.64	1.86	2.27	2.00	2.17	1.11	1 23
18	1.82	1.36	1.69	1.55	1.02	1.14	1.32	2.22	2 84	1.97	1.06	1.32
19	1.75	1.01	1.83	1.54	0.82	0.67	1.87	1.90	2.24	1.88	1.12	1.38
20	1 63	1.46	1.54	1.43	0.56	0.98	1.57	2.48	2.03	1.55.	0.96	0.92
21	2 01	1.31	1.61	1.64	1.00	0.94	1.25	2.49	3.10	1.39	1.41	1.28
22	1.79	1.83	1.50	1.53	0.81	0.94	2.02	2.37	2.59	1.18	0.83	1.39
23	1.90	2.19	1.09	0.84	0.84	1.27	1.86	2,30	2.12	1 61	0 97	1.39
24	2.00	2.08	1.25	1.34	1.43	1.31	2.11	1.99	2.06	1.53	1.29	1.32
25	2.02	1.69	1.25	0.92	1.21	0.54	1.80	1.94	2.14	1.80	1.42	1.15
26	1.77	1.19	1.37	0.79	1.28	0.48	2.23	2.19	2.41	1.21	0.86	1.04
27	2.20	1.40	1.31	0.81	1.18	0.84	1.92	2.35	2.77	1.72	1.01	1.16
28	1.81	1.72	1.65	0.77	1.11	1.61	1.94	2.45	1.85	1.81	1 04	1.18
29	2.12		1.27	0.93	1.29	1.35	2.11	2.15	2.54	1.64	1.00	1.60
30	2.00		1.05	1.35	1.53	1.29	2.13	2.47	1.75	1.19	0.49	1.48
31	1.79		1.03		0.96		2.05	2.45		1.77		1.50
Monthly means.	1.83	1.93	1.54	1.24	1.19	0.90	1 64	2.12	2.33	1.77	1.18	1.18

EAST.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	—1.65	—1.45	—1.26	—0.23	0.89	1.91	3.47	2.57	1.84	0.70	0.64	—0.20
2	—2.35	—1.64	—1.45	0.77	0.92	0.97	2.19	2.50	2.12	1.64	0.77	0.29
3	—2.38	—1.82	—1.68	0 43	0.99	0.52	1.79	2.54	2.00	1.68	0.16	0.15
4	—2.45	—1.93	—1.27	0.20	1.13	1.35	0.92	2.05	2.31	1.32	0.06	—0.63
5	—2.11	—1.98	—1.35	0.21	0.47	1.30	0.66	1.55	1.60	1.08	0.11	—1.26
6	—2.52	—1.77	—1.44	0.35	1.02	1.74	0.98	2.47	2.56	1 28	0.43	—0.97
7	—1.97	—1.37	—1.10	1.27	1.74	1.46	1.60	2.46	1.36	1.06	0.26	—1.17
8	—1.49	—2.19	—0.90	1.66	1.90	1.67	1.27	2.23	1.22	1.33	0.18	—0.99
9	—1.33	—2.08	—0.36	1.54	1.10	0.98	0.83	1.94	1.80	1.55	0.10	—0.77
10	—1.57	—1.19	—0.57	1.49	0.62	0.45	1.69	1.53	1.89	1.85	—0.14	—0.49
11	—1.75	—2.03	—0.35	1.16	1.17	0.63	2.12	1.92	1.36	2.32	0.10	—1.24
12	—1.68	—2.50	0.03	1.27	1.12	1.11	2.06	1.93	2.30	2.30	—0,20	—1.63
13	—1.98	—1.75	—0.12	1.05	0.90	0.97	2.22	1.56	2.59	0.97	—0.25	—1.44
14	—1.81	—1.21	0.01	0.52	1.53	1.07	2.25	1.79	1.96	1.62	—0.62	—1.81
15	—1.63	—1.04	—0.21	0.91	2.28	1.07	2.46	2.35	1.56	1.49	—0.82	—1.46
16	—1.29	—0.71	0.02	0.62	1.23	0.89	1.79	2.87	1.72	1.35	—0.61	—1.63
17	—1.35	—1.59	—0.27	—0.05	1.66	0.46	2.08	2.64	1.36	1.46	—0.96	—1.48
18	—1.26	—1.86	—0.27	—0.13	2.27	1.97	1.92	2.52	1.22	1.85	—0.56	—1.29
19	—1.26	—1.79	—0.25	—0.62	2.62	1.73	2.53	2.74	0.85	1.35	0.39	—1.78
20	—1.57	—1.53	—0.72	—0.11	1.75	1.50	2.26	1.15	1.40	1.30	—0.74	—2.18
21	—1.39	—1.72	—0.94	0.49	1.50	0.84	1.85	1.69	2.01	0.78	—0.69	—2.46
22	—1.48	—1.66	—1.09	0.58	2 08	1.24	1.11	1.46	1.83	0.35	—0.20	—2.12
23	—1.65	—1.26	—0.48	0.46	2.25	0.83	2.11	2.34	1.04	1.01	—0.37	—1.70
24	—1.54	—0.98	—0.57	1.21	1.43	1.71	2.76	2.46	1.47	1.16	—0.28	—1.72
25	—1.72	—1.27	0.01	0.73	0.49	1.77	2.74	1.97	1.19	0.81	—0.34	—1.81
26	—1.35	—1.24	—0.44	0.86	0.79	1.50	2.19	2.00	1.85	0.49	—0.55	—1.76
27	—1.34	—1.10	—0.41	0.99	0.90	1.62	2.00	2.15	1.99	1.22	—0.49	—1.96
28	—1.66	—1.02	—0.46	0.80	0.57	2.22	1.72	2.12	1.90	0.81	0.02	—1.92
29	—1.59		—0.38	0.57	0.72	2.13	1.70	1.36	1.16	0.62	—0.43	—1.44
30	—1.71		—0.64	0.96	1.63	1.47	1.20	2.15	1.17	1.06	—0 42	—1.59
31	—2.01		0.14		1.82		1.73	2.52		0.69		—2.16
Monthly means.	—1.70	—1.56	—0.61	0.67	1.34	1.30	1.88	2.11	1.69	1 24	—0.18	—1.37

TABLE 82. Mean direction and velocity of the wind in the five-day periods computed by means of Lambert's formula.

Dates.	1881—1885.		1886—1890.		1879—1890.		Dates.	1881—1885.		1886—1890.		1879—1890.	
	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.		Mean direction.	Mean velocity.	Mean direction.	Mean velocity.	Mean direction.	Mean velocity.
		k. p. h.		k. p. h.		k. p. h.			k. p. h.		k. p. h.		k. p. h.
1— 5 January	N 47° W	2.82	N 44° W	2.64	N 52° W	2.78	30— 4 July.	N 45° E	2.08	N 80° E	2.72	N 61° E	2.25
6—11 »	N 39 W	2.57	N 26 W	2.38	N 47 W	2.42	5— 9 »	N 25 E	2.09	N 48 E	1.69	N 35 E	1.88
12—15 »	N 37 W	2.71	N 28 W	2.41	N 42 W	2.65	10—14 »	N 46 E	2.51	N 64 E	2.67	N 54 E	2.57
16—20 »	N 46 W	2.72	N 6 W	1.85	N 38 W	2.20	15—19 »	N 56 E	3.38	N 54 E	2.26	N 52 E	2.73
21—25 »	N 34 W	2.57	N 21 W	2.36	N 39 W	2 49	20—24 »	N 49 E	2.84	N 58 E	2.50	N 49 E	2.68
26—30 »	N 29 W	2.51	N 29 W	2 35	N 38 W	2.50	25—29 »	N 52 E	3.70	N 49 E	2.37	N 46 E	2.88
31— 4 February.	N 31 W	2 33	N 40 W	2.80	N 42 W	2.71	30— 3 August.	N 54 E	3.45	N 52 E	2.43	N 48 E	2 83
5— 9 »	N 35 W	2.70	N 42 W	2.74	N 41 W	2.88	4— 8 »	N 50 E	3.92	N 50 E	2.59	N 46 E	2.99
10—14 »	N 37 W	2.63	N 32 W	2.49	N 39 W	2.75	9—13 »	N 47 E	3.57	N 54 E	2.31	N 44 E	2.55
15—19 »	N 32 W	2.35	N 24 W	2.10	N 38 W	2.30	14—18 »	N 46 E	3.94	N 51 E	2.96	N 47 E	3 33
20—24 »	N 32 W	2.60	N 37 W	2.04	N 39 W	2.28	19—23 »	N 38 E	3.53	N 51 E	2.62	N 39 E	2.98
25— 1 March.	N 18 W	2.55	N 21 W	1.93	N 36 W	2.04	24—28 »	N 40 E	3 44	N 61 E	2.86	N 44 E	3.05
2— 6 »	N 27 W	2.50	N 31 W	1.64	N 44 W	2 06	29— 2 September.	N 34 E	3.62	N 51 E	2.79	N 40 E	3 11
7—11 »	N 14 W	2.32	N 3 E	1.70	N 21 W	1.88	3— 7 »	N 38 E	3.72	N 57 E	2.85	N 42 E	2.96
12—16 »	N 2 E	1.72	N 18 E	1.77	N 2 W	1.74	8—12 »	N 32 E	3.58	N 44 E	2.89	N 33 E	3.11
17—21 »	N 10 W	2.14	N 11 E	1.71	N 18 W	1.62	13—17 »	N 13 E	2.77	N 60 E	3.08	N 41 E	2.81
22—26 »	N 1 W	1.62	N 9 W	1.26	N 22 W	1.39	18—22 »	N 36 E	3.60	N 30 E	2.12	N 30 E	2.95
27—31 »	N 9 E	1.58	N 31 W	1.16	N 16 W	1.31	23—27 »	N 39 E	3.77	N 35 E	2.37	N 33 E	2.75
1— 5 April.	N 36 E	1.84	N 2 W	0.85	N 16 E	1.03	28— 2 October.	N 39 E	3.86	N 37 E	1.71	N 36 E	2.26
6—10 »	N 53 E	1.78	N 50 E	1.93	N 45 E	1.77	3— 7 »	N 33 E	3.34	N 49 E	1.74	N 33 E	2.37
11—15 »	N 45 E	2.42	N 39 E	1.67	N 34 E	1.76	8—12 »	N 35 E	2 93	N 60 E	2.55	N 42 E	2.77
16—20 »	N 42 E	2.24	N 47 W	2.09	N 2 W	1.60	13—17 »	N 44 E	3.80	N 38 E	1.08	N 36 E	2.34
21—25 »	N 51 E	2.52	N 1 E	1.00	N 29 E	1.43	18—22 »	N 32 E	3.10	N 56 E	1.90	N 35 E	1.95
26—30 »	N 61 E	1.84	N 40 E	1.44	N 42 E	1.25	23—27 »	N 24 E	2.68	N 55 E	2 10	N 31 E	1.83
1— 5 May.	N 57 E	1.94	N 21 E	0.94	N 39 E	1.40	28— 1 November.	N 42 E	2.78	N 21 E	1.69	N 25 E	1.81
6—10 »	N 44 E	2.23	N 51 E	2.00	N 39 E	2.02	2— 6 »	N 23 E	2.34	N 17 E	0 90	N 13 E	1.38
11—15 »	N 54 E	2.56	N 59 E	1.69	N 49 E	1.85	7—11 »	N 30 E	2.24	N	0.95	N 4 E	1.31
16—20 »	N 45 E	2.32	N 87 E	2.85	N 63 E	2.15	12—16 »	N 9 W	1.22	N 46 W	1.51	N 23 W	1.26
21—25 »	N 46 E	1.94	N 78 E	2.32	N 56 E	1.88	17—21 »	N 10 W	1.56	N 32 W	1.42	N 24 W	1.24
26—30 »	N 51 E	2.19	N 42 E	1.21	N 36 E	1 58	22—26 »	N 30 E	1.16	N 45 W	1.45	N 18 W	1.13
31— 4 June.	N 65 E	2.42	N 42 E	0.72	N 55 E	1.60	27— 1 December.	N 9 E	0.84	N 23 W	1.03	N 19 W	0.93
5— 9 »	N 71 E	2.60	N 54 E	1.08	N 61 E	1.63	2— 6 »	N 42 E	1.49	N 9 W	1.26	N 20 W	1 41
10—14 »	N 27 E	1.30	N 73 E	1.44	N 49 E	1.12	7—11 »	N 17 W	0.70	N 44 W	1 46	N 44 W	1.34
15—19 »	N 56 E	1.74	N 73 E	1.55	N 56 E	1.46	12—16 »	N 39 W	1.76	N 72 W	1.72	N 59 W	1.86
20—24 »	N 45 E	2.61	N 68 E	1.73	N 48 E	1.64	17—21 »	N 61 W	2.34	N 54 W	2.12	N 56 W	2.21
25—29 »	N 57 E	2.86	N 79 E	2.25	N 63 E	2.08	22—26 »	N 44 W	2.03	N 53 W	2.08	N 55 W	2.21
							27—31 »	N 39 W	1.89	N 61 W	2.29	N 53 W	2.28

TABLE 83. Cloudiness of the sky. — Mean diurnal variation in 1881—1885.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.06	—0.04	—0.39	—0.01	—0.07	0.41	0.22	0.46	—0.11	—0.46	—0.88	—0.75	— 0.12
2	—0.08	—0.34	—0.49	—0.47	—0.37	0.07	—0.10	—0.16	—0.63	—0.60	—0.98	—0.87	— 0.41
3	—0.22	0.02	—0.73	—0.43	—0.55	—0.29	—0.04	—0.70	—0.71	—0.76	—0.92	—1.03	— 0.53
4	0.00	0.14	—0.89	—0.65	—0.47	—0.37	—0.26	—0.88	—0.73	—0.98	—1.24	—0.95	— 0.60
5	—0.26	—0.04	—0.89	—0.77	—0.33	—0.25	—0.40	—0.78	—0.55	—0.72	—0.84	—0.57	— 0.53
6	0.32	0.56	—0.19	—0.17	0.43	0.55	0.58	0.20	0.01	—0.20	—0.46	—0.07	0.14
7	0.26	0.68	—0.15	—0.43	—0.03	—0.17	—0.14	—0.14	—0.27	—0.10	—0.66	0.05	— 0.09
8	—0.04	0.06	—0.45	—0.95	—0.67	—0.75	—0.68	—0.86	—0.83	—0.66	—1.10	—0.19	— 0.59
9	—0.02	—0.28	—0.69	—1.29	—0.79	—1.09	—0.90	—0.98	—1.03	—0.56	—0.84	—0.05	— 0.70
10	0.28	0.06	—0.35	—0.81	—0.63	—0.73	—0.58	—0.44	—0.23	0.04	—0.16	0.05	— 0.29
11	0.18	0.18	0.17	—0.15	0.13	—0.27	—0.26	0.50	0.31	0.74	0.28	0.25	0.18
12	0.02	0.00	0.23	0.15	0.27	0.01	0.14	1.00	0.61	0.82	0.48	0.43	0.35
1 p. m.	—0.18	—0.04	0.29	0.39	0.45	0.47	0.26	0.66	—0.25	0.12	0.38	0.61	0.27
2	—0.34	—0.38	0.19	0.17	0.13	0.11	—0.40	0.02	—0.95	—0.42	0.36	0.53	— 0.08
3	—0.38	—0.18	0.15	0.25	—0.13	—0.13	—0.92	—0.50	—1.07	—0.50	0.70	0.37	— 0.19
4	—0.34	—0.16	0.33	0.53	—0.05	—0.11	—1.12	—0.84	—0.85	—0.08	0.70	0.49	— 0.12
5	0.10	—0.12	0.71	0.73	0.21	—0.05	—0.60	—0.64	—0.05	0.84	1.36	0.73	0.27
6	0.32	0.08	0.91	1.13	1.05	0.61	0.30	0.14	0.67	1.36	1.32	0.95	0.74
7	0.30	—0.04	0.79	0.85	0.57	0.35	0.58	0.44	1.19	1.02	1.14	0.71	0.66
8	0.12	0.06	0.63	0.87	0.21	0.57	0.94	0.74	1.61	0.70	0.94	0.21	0.64
9	—0.08	—0.08	0.67	0.63	0.19	0.57	1.12	0.84	1.45	0.64	0.62	—0.09	0.55
10	—0.10	—0.12	0.27	0.25	0.09	0.23	0.96	0.68	1.23	0.22	0.26	—0.27	0.31
11	0.06	—0.06	—0.03	0.17	0.27	0.07	0.82	0.74	0.75	—0.02	—0.14	—0.29	0.20
12	0.02	0.06	—0.21	0.05	0.15	0.15	0.36	0.56	0.31	—0.36	—0.44	—0.33	0.03
Monthly and annual means.	7.52	7.26	6.51	5.77	5.07	5.03	4.44	3.82	4.43	5.46	6.90	7.09	5.77

TABLE 84. Cloudiness of the sky. — Mean diurnal variation in 1886—1890.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	—0.59	—0.49	—0.14	—0.38	—0.21	—0.30	—0.04	—0.21	0.12	—0.59	—0.74	—0.50	— 0.34
2	—0.67	—0.57	—0.48	—0.20	—0.75	—0.40	—0.18	—0.21	—0.08	—0.61	—0.82	—0.86	— 0.48
3	—0.69	—0.39	—0.54	—0.42	—0.97	—0.60	—0.44	—0.47	—0.56	—1.05	—0.94	—1.04	— 0.67
4	—0.53	—0.67	—0.66	—0.76	—1.15	—0.56	—0.78	—0.61	—0.94	—1.17	—1.46	—1.02	— 0.86
5	—0.39	—0.59	—0.60	—0.52	—1.05	—0.60	—0.72	—0.41	—0.68	—0.45	—0.40	—0.30	— 0.56
6	—0.01	0.19	—0.10	—0.10	—0.01	0.24	0.26	0.41	—0.22	—0.21	—0.14	—0.08	0.02
7	0.21	0.27	—0.36	—0.40	—0.29	0.06	—0.06	—0.01	—0.32	—0.65	—0.10	—0.40	— 0.17
8	—0.29	—0.03	—1.06	—1.08	—0.65	—0.40	—0.80	—1.09	—1.18	—1.03	—0.74	—0.94	— 0.77
9	—0.15	—0.15	—1.08	—1.08	—0.69	—0.72	—0.92	—1.21	—1.30	—0.87	—0.60	—0.78	— 0.79
10	—0.03	0.11	—0.50	—0.82	—0.35	—0.48	—0.50	—0.71	—0.52	—0.05	0.02	—0.40	— 0.35
11	0.43	0.35	0.10	—0.12	0.23	0.22	0.04	0.13	0.34	0.61	0.50	0.08	0.24
12	0.57	0.57	0.32	0.60	0.71	0.66	0.74	0.95	0.64	0.93	0.74	0.50	0.66
1 p. m.	0.39	0.63	0.26	0.60	0.47	0.90	0.78	0.63	0.12	0.47	0.20	0.50	0.50
2	0.11	0.39	—0.10	0.40	0.43	0.54	0.28	—0.29	—0.32	0.17	0.12	0.42	0.18
3	0.07	0.35	—0.30	0.30	0.33	0.50	0.08	—0.65	—0.60	0.13	0.26	0.70	0.10
4	0.13	0.35	0.06	0.60	0.51	0.20	—0.24	—0.67	—0.52	0.35	0.74	0.90	0.20
5	0.49	0.67	0.80	1.02	1.11	0.42	0.04	—0.17	0.30	0.83	1.08	1.30	0.66
6	0.77	0.55	1.08	1.14	1.57	0.88	0.78	0.63	1.04	1.35	1.26	1.14	1.02
7	0.51	0.29	1.24	0.70	0.67	—0.12	—0.02	0.73	0.98	0.77	0.66	0.78	0.60
8	0.45	—0.09	0.98	0.56	0.51	—0.08	0.16	0.85	1.08	0.67	0.42	0.42	0.50
9	0.03	—0.31	0.54	0.18	0.29	—0.02	0.42	1.03	0.90	0.55	0.30	0.18	0.34
10	0.03	—0.39	0.28	0.18	—0.09	—0.10	0.54	1.03	0.90	0.25	0.06	—0.08	0.22
11	—0.47	—0.49	0.18	—0.02	—0.29	—0.06	0.46	0.51	0.50	0.01	0.00	—0.04	0.03
12	—0.41	—0.47	0.16	—0.36	—0.43	—0.12	0.16	—0.13	0.26	—0.45	—0.48	—0.40	— 0.22
Monthly and annual means.	7.25	7.33	6.82	5.90	5.91	5.62	4.88	4.45	5.48	5.89	6.72	7.32	6.13

TABLE 85. Cloudiness of the sky. — Mean diurnal variation in 1880—1890.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 0.25	— 0.25	— 0.20	— 0.19	— 0.09	0.05	0.15	0.14	0.04	— 0.52	— 0.66	— 0.58	— 0.20
2	— 0.36	— 0.44	— 0.42	— 0.40	— 0.53	— 0.16	— 0.11	— 0.14	— 0.30	— 0.63	— 0.80	— 0.81	— 0.43
3	— 0.47	— 0.24	— 0.58	— 0.49	— 0.71	— 0.42	— 0.23	— 0.53	— 0.57	— 0.87	— 0.82	— 0.95	— 0.58
4	— 0.30	— 0.29	— 0.70	— 0.74	— 0.80	— 0.43	— 0.45	— 0.75	— 0.80	— 0.98	— 1.24	— 0.93	— 0.70
5	— 0.31	— 0.34	— 0.70	— 0.69	— 0.67	— 0.44	— 0.50	— 0.57	— 0.56	— 0.52	— 0.55	— 0.41	— 0.52
6	0.15	0.36	— 0.11	— 0.20	0.15	0.32	0.47	0.27	— 0.15	— 0.19	— 0.38	0.11	0.05
7	0.21	0.45	— 0.18	— 0.39	— 0.18	— 0.03	— 0.05	— 0.09	— 0.30	— 0.36	— 0.44	— 0.18	— 0.13
8	— 0.20	0.01	— 0.71	— 1.01	— 0.65	— 0.56	— 0.70	— 0.95	— 0.97	— 0.87	— 1.01	— 0.57	— 0.68
9	— 0.11	— 0.19	— 0.89	— 1.19	— 0.77	— 0.90	— 0.89	— 1.07	— 1.10	— 0.75	— 0.84	— 0.42	— 0.76
10	0.08	0.08	— 0.44	— 0.83	— 0.51	— 0.64	— 0.61	— 0.62	— 0.39	— 0.08	— 0.17	— 0.20	— 0.36
11	0.24	0.33	0.07	— 0.23	0.10	— 0.06	— 0.19	0.21	0.25	0.59	0.27	0.11	0.14
12	0.23	0.34	0.14	0.29	0.45	0.81	0.31	0.90	0.51	0.76	0.49	0.38	0.42
1 p. m.	0.11	0.31	0.20	0.46	0.41	0.64	0.44	0.52	— 0.07	0.24	0.15	0.51	0.32
2	— 0.07	0.01	0.03	0.31	0.24	0.32	— 0.08	— 0.13	— 0.63	— 0.15	0.14	0.42	0.03
3	— 0.11	0.05	— 0.04	0.26	0.07	0.21	— 0.42	— 0.51	— 0.82	— 0.17	0.44	0.54	— 0.04
4	— 0.05	0.08	0.24	0.55	0.21	0.12	— 0.65	— 0.67	— 0.68	0.15	0.71	0.70	0.06
5	0.31	0.28	0.70	0.92	0.61	0.26	— 0.27	— 0.33	0.10	0.88	1.23	0.98	0.47
6	0.56	0.35	0.98	1.21	1.26	0.78	0.49	0.39	0.77	1.38	1.29	1.01	0.87
7	0.45	0.18	0.98	0.87	0.64	0.15	0.33	0.60	1.04	0.93	0.96	0.77	0.65
8	0.33	— 0.01	0.76	0.83	0.39	0.25	0.54	0.76	1.29	0.72	0.75	0.35	0.58
9	0.01	— 0.17	0.55	0.51	0.29	0.25	0.80	0.97	1.18	0.63	0.58	0.08	0.47
10	— 0.02	— 0.30	0.26	0.25	0.08	0.03	0.72	0.81	1.13	0.22	0.28	— 0.15	0.27
11	— 0.19	— 0.31	0.09	0.09	0.02	— 0.02	0.62	0.60	0.66	— 0.05	0.03	— 0.13	0.11
12	— 0.18	— 0.21	— 0.03	— 0.15	— 0.08	0.01	0.25	0.22	0.36	— 0.39	— 0.34	— 0.33	— 0.08
Monthly and annual means.	7.40	7.27	6.66	5.84	5.41	5.43	4.70	4.14	5.00	5.72	6.76	7.16	5.96

TABLE 86. Monthly and annual mean amount of cloud in 1880—1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1880	7.58	7.04	6.62	5.89	4.59	6.50	5.09	4.18	5.48	6.15	6.32	6.75	6.02
1881	8.19	6.25	6.71	4.89	5.06	5.71	4.58	2.90	3.14	4.20	7.10	7.42	5.51
1882	7.46	7.36	6.55	6.50	5.03	6.93	6.06	4.37	5.01	6.39	7.33	6.60	6.30
1883	7.45	7.05	5.69	6.14	4.78	4.20	3.66	3.51	5.42	6.13	7.13	6.61	5.65
1884	7.32	7.46	6.73	5.62	5.62	4.25	3.96	4.12	4.33	5.76	6.33	7.43	5.74
1885	7.18	8.19	6.85	5.71	4.88	4.04	3.91	4.21	4.23	4.83	6.60	7.38	5.67
1886	6.82	8.26	7.71	5.95	5.84	5.47	4.63	4.90	5.05	6.34	6.98	8.29	6.35
1887	6.86	7.78	7.15	6.10	6.48	5.38	3.92	4.79	6.37	5.34	7.43	7.60	6.27
1888	8.40	7.40	6.23	6.22	5.43	4.01	3.86	3.76	5.05	4.13	4.76	6.78	5.50
1889	6.83	6.93	6.08	5.90	6.10	6.83	6.13	3.98	5.49	6.50	7.66	6.47	6.24
1890	7.34	6.29	6.95	5.34	5.69	6.41	5.88	4.84	5.43	7.13	6.75	7.48	6.29
1881—1885	7.52	7.26	6.51	5.78	5.07	5.03	4.43	3.82	4.43	5.46	6.90	7.09	5.78
1886—1890	7.25	7.33	6.82	5.90	5.91	5.62	4.88	4.45	5.48	5.89	6.72	7.32	6.13
1880—1890	7.40	7.27	6.66	5.84	5.41	5.43	4.70	4.14	5.00	5.72	6.76	7.17	5.96

TABLE 87. — Lunar diurnal variation of the cloudiness of the sky.

Year.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1881/1885.	1886/1890.	1880/1890.
Number of lunar days.	343	343	371	343	342	370	342	371	342	342	343	1769	1740	3852
0	—0.09	0.15	0.25	0.04	0.35	0.24	0.33	0.48	0.49	0.37	0.55	0.22	0.45	0.29
1	—0.18	0.12	0.12	0.04	0.26	0.27	0.45	0.31	0.47	0.41	0.51	0.17	0.43	0.25
2	—0.25	0.08	0.22	0.01	0.15	0.40	0.14	0.35	0.40	0.34	0.35	0.18	0.32	0.20
3	—0.03	0.07	0.18	0.03	0.18	0.35	0.08	0.22	0.39	0.26	0.30	0.17	0.25	0.19
4	0.05	0.03	0.29	0.16	0.24	0.08	0.15	0.20	0.23	0.29	0.29	0.16	0.23	0.18
5	0.16	0.00	0.19	0.25	0.09	0.24	0.12	0.23	0.08	0.05	0.25	0.16	0.15	0.15
6	0.10	—0.08	—0.15	0.05	—0.04	0.05	0.08	—0.06	—0.18	0.01	0.03	—0.03	—0.02	—0.02
7	0.08	—0.17	—0.24	0.01	—0.06	—0.09	0.01	—0.27	—0.19	—0.18	—0.15	—0.11	—0.15	—0.11
8	0.07	—0.12	—0.39	0.09	—0.05	—0.07	0.05	—0.31	—0.28	—0.30	—0.14	—0.11	—0.20	—0.13
9	0.09	—0.14	—0.40	0.05	—0.26	—0.07	—0.12	—0.37	—0.34	—0.34	—0.20	—0.16	—0.27	—0.19
10	0.11	—0.13	—0.46	0.02	—0.08	—0.06	—0.17	—0.32	—0.29	—0.28	—0.23	—0.14	—0.26	—0.17
11	—0.02	—0.03	—0.30	—0.02	—0.18	—0.15	—0.07	—0.23	—0.30	—0.42	—0.34	—0.13	—0.27	—0.19
12	—0.04	0.05	—0.31	—0.07	—0.25	—0.19	0.00	—0.11	—0.21	—0.51	—0.05	—0.15	—0.17	—0.15
13	—0.02	0.08	—0.18	0.05	—0.18	—0.10	—0.24	—0.16	—0.07	—0.20	—0.13	—0.06	—0.16	—0.10
14	0.05	0.09	—0.10	0.10	—0.21	—0.19	—0.35	—0.19	—0.13	—0.28	—0.04	—0.06	—0.19	—0.11
15	0.12	0.00	—0.14	—0.02	—0.21	—0.16	—0.38	—0.25	—0.36	—0.17	—0.14	—0.10	—0.26	—0.15
16	0.06	—0.13	—0.12	—0.11	—0.19	—0.05	—0.41	—0.18	—0.15	—0.14	—0.33	—0.12	—0.24	—0.16
17	0.03	—0.05	—0.08	—0.14	—0.21	—0.29	—0.26	—0.19	—0.18	—0.24	—0.43	—0.15	—0.25	—0.18
18	0.04	—0.03	—0.03	—0.23	—0.18	—0.22	—0.19	—0.19	—0.24	—0.11	—0.35	—0.13	—0.21	—0.15
19	0.07	—0.01	0.18	—0.09	0.06	—0.09	0.03	0.03	—0.15	0.12	—0.04	0.01	0.00	0.01
20	—0.04	0.08	0.34	—0.11	0.06	—0.11	0.01	0.16	0.03	0.23	—0.13	0.06	0.07	0.05
21	—0.14	0.05	0.38	—0.04	0.20	—0.07	0.19	0.13	0.27	0.26	—0.16	0.11	0.14	0.10
22	—0.17	0.08	0.40	—0.13	0.23	—0.01	0.33	0.21	0.32	0.40	0.09	0.12	0.27	0.16
23	—0.03	0.08	0.27	0.12	0.23	0.24	0.33	0.39	0.36	0.35	0.38	0.19	0.37	0.25
Mean cloudiness.	5.92	5.46	6.34	5.61	5.71	5.71	6.27	6.37	5.40	6.27	6.13	5.77	6.09	5.93

TABLE 88. — Mean cloudiness of the sky on eight different Moon's Phases.

Moon's Phases.	1880.	1881.	1882.	1883.	1884.	1885	1886.	1887.	1888.	1889.	1890.	1881/1885.	1886/1890.	1880/1890.
New Moon	—0.01	0.36	—0.62	0.54	0.25	—0.24	0.30	0.03	—0.55	0.15	—0.35	0.06	—0.09	—0.02
»	—0.12	—0.33	—0.32	—0.27	—0.76	0.30	—0.53	—0.51	—0.48	—0.10	0.10	—0.28	—0.30	—0.28
First Quarter	0.07	—0.41	0.11	0.15	—0.33	—0.42	0.05	0.15	0.49	—0.71	0.01	—0.17	0.00	—0.07
»	—0.32	—0.65	0.48	0.09	0.11	—0.09	0.38	0.79	0.04	0.11	0.02	0.01	0.27	0.10
Full Moon	0.31	0.21	0.45	0.14	0.77	—0.14	0.55	0.14	0.23	—0.06	0.60	0.31	0.29	0.30
»	0.07	0.05	0.37	—0.28	0.39	0.61	0.13	—0.15	—0.02	0.14	0.60	0.24	0.14	0.18
Last Quarter.	0.20	0.40	—0.31	—0.06	—0.12	0.06	—0.73	—0.02	0.40	0.16	—0.94	—0.01	—0.24	—0.09
»	—0.24	0.34	—0.19	—0.33	—0.35	—0.09	—0.13	—0.41	—0.15	0.29	—0.02	—0.12	—0.09	—0.12
Mean cloudiness.	5.99	5.42	6.41	5.67	5.76	5.58	6.26	6.36	5.44	6.22	6.27	5.77	6.12	5.95

TABLE 89. Rainfall in 1866–1890. Showing how much percent of the total daily amount fell during each of the twenty-four hours.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Fr. midnight to 1 a. m.	5.8	4.9	3.9	3.4	3.2	5.1	4.3	6.0	2.2	2.9	1.1	3.1	4.1
» 1 a. m. » 2 »	6.6	4.8	3.4	3.1	0.7	5.3	2.4	7.4	4.0	3.6	1.2	2.8	4.1
» 2 » » 3 »	5.9	4.5	3.1	2.0	0.5	1.9	2.2	4.3	2.2	2.0	1.8	3.0	3.4
» 3 » » 4 »	5.8	5.6	3.0	2.1	0.3	1.5	0.8	2.6	2.5	1.8	1.3	3.5	3.5
» 4 » » 5 »	5.5	4.6	4.2	1.7	0.8	2.2	1.9	4.3	1.3	0.8	0.8	3.4	3.4
» 5 » » 6 »	5.5	5.5	3.6	1.0	0.6	0.8	0.9	1.1	1.8	2.6	0.6	3.2	3.3
» 6 » » 7 »	5.5	4.5	2.3	0.6	1.6	1.2	1.2	0.4	0.5	0.9	1.3	2.0	2.8
» 7 » » 8 »	4.3	3.2	3.4	0.6	1.7	1.3	3.4	1.8	1.3	1.1	1.0	2.3	2.6
» 8 » » 9 »	3.9	4.2	3.2	1.0	1.1	1.2	1.8	1.4	0.7	0.3	1.5	2.5	2.6
» 9 » » 10 »	3.4	3.2	4.4	0.2	2.0	0.5	1.1	0.3	1.9	0.5	0.7	3.3	2.5
» 10 » » 11 »	2.9	2.9	2.8	1.2	1.6	2.0	0.6	0.3	2.7	1.7	4.5	2.3	2.5
» 11 » » noon.	3.1	3.6	3.7	2.0	3.5	1.6	1.0	1.8	1.8	4.9	5.0	5.4	3.5
» noon » 1 p. m.	3.6	2.9	5.1	7.0	5.7	1.5	5.6	2.2	5.2	6.1	5.4	5.9	4.6
» 1 p. m. » 2 »	3.6	3.2	4.6	5.2	10.6	4.7	3.3	7.3	3.5	5.6	5.9	5.4	4.7
» 2 » » 3 »	3.5	2.9	6.8	9.4	7.3	4.4	6.0	8.4	6.7	5.3	8.8	7.9	5.7
» 3 » » 4 »	3.0	3.0	6.1	8.8	5.9	9.2	5.3	4.9	4.7	8.1	10.1	6.3	5.6
» 4 » » 5 »	3.9	3.8	5.3	8.4	8.9	12.9	7.8	7.2	8.4	11.5	9.1	5.9	6.4
» 5 » » 6 »	2.5	5.1	5.4	9.8	7.3	10.8	9.6	3.9	10.4	13.2	12.6	7.5	7.0
» 6 » » 7 »	3.4	4.6	5.4	8.8	8.7	9.0	14.6	7.5	10.1	6.9	9.4	5.9	6.4
» 7 » » 8 »	2.5	4.0	4.9	5.1	8.5	7.0	10.9	9.6	3.9	8.0	5.4	4.4	5.0
» 8 » » 9 »	2.8	3.4	2.8	4.9	7.0	3.0	8.2	4.7	7.2	3.6	4.1	4.1	4.0
» 9 » » 10 »	2.8	5.0	4.9	7.5	3.8	5.1	1.7	1.6	4.9	4.6	3.9	3.7	4.2
» 10 » » 11 »	5.0	5.2	2.4	3.4	5.2	4.1	3.0	6.4	8.2	2.6	2.9	4.0	4.3
» 11 » » midnight.	5.2	5.3	5.2	3.0	3.4	3.6	2.5	4.4	3.9	1.4	1.7	2.3	3.9
Total amount of rain	mm 8297	mm 7678	mm 5014	mm 2768	mm 2085	mm 2049	mm 1391	mm 836	mm 1913	mm 2540	mm 2872	mm 5485	mm 42928

TABLE 90. Rainfall in 1866–1890.

Dates.	Mean daily amount of rain.						Departures.	Probability of rain.	Mean amount on day of rain.
	1866/1870.	1871/1875	1876/1880.	1881/1885.	1886/1890.	1866/1890.	1866/1890.	1866/1890.	1866/1890.
1— 5 January.	8.4	8 1	12.1	7.8	9 3	9.1	3.7	0.63	14 4
6—10 »	21.0	12.6	8 7	28.6	4.6	15.1	9.7	0.75	20 1
11—15 »	8.9	9.0	1 9	12.1	4.2	7.2	1.8	0.68	10 6
16—20 »	3.2	26 3	10.2	17.7	2 9	12.1	6.7	0.74	16.2
21—25 »	10.2	20.5	19.3	16 8	7.6	14.9	9.5	0.76	19.6
26—30 »	9.7	17.5	20.7	13.1	8.4	13 9	8.5	0.74	18.7
31— 4 February.	6.8	20.9	12 2	13.0	4.5	11.5	6.1	0.70	16 5
5— 9 »	7 8	19.4	20.2	14.7	12.9	15.0	9.6	0.74	20.2
10—14 »	17.5	9.1	10.5	15.1	13.1	13.1	7.7	0.69	19.0
15—19 »	19.5	14.0	11.7	4 1	11.5	12.1	6.7	0.72	16.9
20—24 »	25 0	12 3	9.6	15.0	7.8	13.9	8.5	0.74	18.7
25— 1 March.	13 9	10.1	12.9	9.9	5.3	10.4	5.0	0.74	14 0
2— 6 »	4.3	15 4	15 5	6.2	10 7	10.4	5.0	0.71	14.6
7—11 »	3.3	9.4	11.5	12.0	14.6	10 2	4.8	0.60	17.0
12—16 »	3.2	2.8	9.4	8 5	3.2	5 4	0.0	0.47	11.5
17—21 »	2.9	6.3	4.5	16.5	4.4	6.9	1.5	0.51	13.5
22—26 »	3.8	6 6	4.4	4.7	5 2	4.9	— 0.5	0.56	8.8
27—31 »	2.0	10.0	4.5	6 3	3.9	5.3	— 0.1	0.47	11.3
1— 5 April.	2.7	6.6	4 8	4.2	5.3	4.7	— 0.7	0.44	10.7
6—10 »	4.1	3.0	2 8	2.4	3.5	3.2	— 2.2	0.39	8.1
11—15 »	6.3	2 6	9 5	2.0	5 0	5.1	— 0.3	0.51	10.0
16—20 »	1.2	3.9	5 5	1.5	1.1	2.6	— 2.8	0.44	6.0
21—25 »	2.4	1.7	6.9	14.9	4.2	6 0	0.6	0.47	12 8
26—30 »	1 1	4.3	3 5	5.2	3.7	3.6	— 1.8	0.45	8.0
1— 5 May.	2.1	1.7	1.9	5.2	4.4	3.0	— 2 4	0.41	7.4
6—10 »	4.7	2.8	4.9	3.1	1.5	3.4	— 2 0	0.33	10.4
11—15 »	11.8	0 8	2 6	3.6	1.1	4 0	— 1.4	0 28	14.1
16—20 »	0.7	0.3	2.3	6.4	4.4	2.8	— 2.6	0 27	10.3
21—25 »	2.5	5.3	0.8	1.2	3 9	2 8	— 2.6	0.29	9.6
26—30 »	2.2	4.5	2 4	0 6	4.0	2.7	— 2.7	0.28	9.8
31— 4 June.	9.3	4.1	3.6	1.2	3.5	4.3	— 1.1	0.34	12.6
5— 9 »	1.9	3.0	3 8	6.9	5.1	4.1	— 1.3	0.30	14.0
10—14 »	1 0	6.7	5.5	2.6	2 3	3.6	— 1.8	0.36	10.0
15—19 »	3.5	3.0	4.4	0.7	2.7	2.9	— 2.5	0.33	8.7
20—24 »	1.3	0 9	4.1	3.1	1.3	2 1	— 3.3	0.28	7.6
25—29 »	0.3	1.2	1.6	0.6	0.9	0.9	— 4 5	0.23	4.0

TABLE 90. Continued.

Dates.	Mean daily amount of rain.						Departures.	Probability of rain.	Mean amount on day of rain.
	1866/1870.	1871/1875.	1876/1880.	1881/1885.	1886/1890.	1866/1890.	1866/1890.	1866/1890.	1866/1890.
30— 4 July.	2.2	2.1	1.8	2.4	2.3	2.2	— 3.2	0.28	7.7
5— 9 »	3.3	2.9	1.5	3.4	3.1	2.8	— 2.6	0.25	11.5
10—14 »	0.8	4.6	5.9	1.3	0.7	2.7	— 2.7	0.29	9.2
15—19 »	2.1	3.2	2.2	0.0	0.5	1.6	— 3.8	0.18	8.6
20—24 »	1.4	2.0	3.7	0.6	1.5	1.9	— 3.5	0.19	9.6
25—29 »	1.1	0.5	1.6	3.7	0.5	1.5	— 3.9	0.19	7.7
30— 3 August.	0.9	2.1	0.4	0.7	2.7	1.4	— 4.0	0.16	8.2
4— 8 »	0.4	1.0	2.1	—	0.7	0.9	— 4.5	0.12	7.1
9—13 »	4.5	3.7	2.8	1.2	0.9	2.6	— 2.8	0.25	10.5
14—18 »	0.8	—	0.7	0.1	0.6	0.4	— 5.0	0.11	3.9
19—23 »	1.9	0.7	1.1	0.3	2.2	1.2	— 4.2	0.15	8.2
24—28 »	2.8	1.0	0.7	0.2	1.3	1.2	— 4.2	0.20	6.0
29— 2 September.	1.6	3.2	1.8	0.9	1.2	1.7	— 3.7	0.26	6.7
3— 7 »	1.0	0.8	2.0	1.0	3.4	1.6	— 3.8	0.20	8.1
8—12 »	4.3	2.9	0.5	0.3	2.6	2.1	— 3.3	0.23	9.1
13—17 »	6.7	3.0	0.5	7.8	2.2	4.0	— 1.4	0.35	11.5
18—22 »	3.1	2.1	2.2	1.5	2.5	2.3	— 3.1	0.26	8.7
23—27 »	1.8	2.4	10.5	1.5	2.0	3.6	— 1.8	0.24	15.1
28— 2 October.	4.4	2.0	3.5	0.5	3.4	2.8	— 2.6	0.27	10.2
3— 7 »	1.3	8.6	1.2	5.8	3.8	4.1	— 1.3	0.30	13.6
8—12 »	4.0	3.5	5.9	3.0	5.0	4.3	— 1.1	0.34	12.5
13—17 »	3.1	5.5	1.7	1.3	4.8	3.3	— 2.1	0.30	10.8
18—22 »	5.1	2.9	3.0	1.3	5.1	3.5	— 1.9	0.36	9.6
23—27 »	9.9	4.6	2.3	3.1	3.1	4.6	— 0.8	0.38	12.2
28— 1 November.	9.8	3.5	0.3	6.9	1.8	4.5	— 0.9	0.38	11.9
2— 6 »	3.5	3.5	4.0	7.3	3.0	4.3	— 1.1	0.45	9.5
7—11 »	0.4	2.4	6.0	5.1	6.1	4.0	— 1.4	0.37	10.8
12—16 »	3.1	6.5	5.9	3.3	1.3	4.0	— 1.4	0.42	9.6
17—21 »	3.9	3.9	5.3	3.5	3.8	4.1	— 1.3	0.58	7.0
22—26 »	3.7	4.8	4.4	10.3	3.9	5.4	0.0	0.48	11.3
27— 1 December.	7.6	5.2	3.2	4.1	1.4	4.3	— 1.1	0.41	10.5
2— 6 »	13.0	9.6	3.5	1.5	1.2	5.8	0.4	0.54	10.6
7—11 »	8.8	1.5	9.4	4.3	3.9	5.6	0.2	0.58	9.5
12—16 »	7.0	5.4	5.0	6.2	7.8	6.3	0.9	0.54	11.7
17—21 »	14.7	13.5	7.4	13.6	4.4	10.7	5.3	0.70	15.2
22—26 »	24.8	6.7	4.6	5.6	7.4	9.8	4.4	0.69	14.4
27—31 »	14.8	8.0	16.3	8.7	15.1	12.6	7.2	0.72	17.5
Means..	5.7	5.8	5.6	5.6	4.2	5.4	—	0.43	11.4

TABLE 91. Monthly and annual amount of rain in 1864—1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1864	466	177	130	83	42	65	60	70	53	169	75	109	1499
1865	570	105	200	159	17	232	36	113	39	5	236	218	1930
1866	196	568	108	79	334	5	9	4	130	157	66	409	2065
1867	478	566	52	43	15	32	67	31	77	238	135	495	2229
1868	235	212	164	89	13	26	73	155	5	83	93	173	1321
1869	274	389	118	102	128	173	60	6	86	168	32	318	1854
1870	217	269	56	93	75	144	44	77	151	118	153	569	1966
1871	541	331	176	132	129	67	51	2	95	158	64	430	2176
1872	822	389	318	22	106	62	163	44	38	128	152	153	2397
1873	278	309	339	105	28	37	14	53	13	33	38	136	1383
1874	329	278	169	49	92	245	120	90	161	86	202	70	1891
1875	306	439	213	199	10	1	1	25	27	225	152	248	1846
1876	596	559	147	163	60	76	66	16	165	130	126	247	2351
1877	344	324	209	160	27	66	1	0	0	0	39	181	1348
1878	163	204	212	158	124	139	20	11	22	15	202	181	1451
1879	358	352	291	115	79	117	61	80	150	77	133	222	2035
1880	270	189	327	153	77	116	213	78	128	103	124	248	2026
1881	596	132	119	137	83	57	73	0	31	12	133	113	1486
1882	280	209	423	406	130	239	57	31	215	156	140	95	2381
1883	702	411	125	35	115	1	0	1	29	180	260	161	2020
1884	207	361	144	21	83	72	91	11	21	61	165	231	1468
1885	480	420	442	87	45	13	0	13	10	47	98	305	1960
1886	196	292	409	75	140	62	26	25	39	109	101	346	1790
1887	83	314	208	108	140	63	63	20	180	71	134	129	1513
1888	348	410	97	222	92	46	0	5	27	149	65	177	1638
1889	213	185	145	76	71	72	75	42	47	95	72	136	1229
1890	67	162	164	83	66	164	94	63	122	148	106	185	1421
Mean monthly and annual amount.	356	317	204	117	85	88	57	39	76	108	122	233	1803
Average daily amount of rain.	11.5	11.2	6.6	3.9	2.7	2.9	1.8	1.3	2.5	3.5	4.1	7.5	4.9
Percentage of mean annual amount.	19.3	18.8	11.1	6.6	4.5	4.9	3.0	2.2	4.2	5.9	6.9	12.6	—

TABLE 92. Number of days of rain in 1864—1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1864	30	22	17	13	11	10	7	8	9	13	7	15	162
1865	27	15	20	15	10	10	5	3	4	4	14	15	142
1866	20	21	12	13	14	2	3	1	7	11	10	22	136
1867	26	24	7	12	4	9	9	11	11	14	15	24	166
1868	26	15	14	15	4	5	10	10	3	8	15	17	142
1869	20	21	13	12	14	13	4	4	7	11	10	18	147
1870	21	21	14	15	8	3	12	12	17	14	12	22	171
1871	21	21	17	11	10	8	7	1	10	12	13	29	160
1872	29	27	13	7	13	7	13	3	4	8	15	12	151
1873	18	24	20	13	11	9	2	5	4	7	8	17	138
1874	23	20	15	6	9	15	18	9	14	11	15	13	148
1875	24	19	24	12	3	2	2	5	3	15	10	23	162
1876	19	25	12	13	10	9	6	4	11	11	13	18	151
1877	19	20	20	15	5	6	1	0	0	0	4	20	110
1878	15	17	19	16	12	12	5	2	3	4	19	22	146
1879	27	21	23	18	12	12	11	17	16	15	13	19	204
1880	28	21	25	20	11	20	14	9	15	13	19	18	213
1881	29	17	20	15	10	16	7	0	6	2	22	23	167
1882	26	20	21	19	11	16	13	6	15	14	12	11	184
1883	24	20	18	11	5	2	0	1	8	12	20	13	134
1884	23	24	20	11	16	10	6	4	3	10	17	20	164
1885	24	24	20	14	10	1	0	2	1	4	16	23	139
1886	17	21	20	17	11	9	4	8	4	12	15	20	158
1887	15	18	16	10	11	9	5	5	13	11	14	21	148
1888	28	21	14	16	8	10	0	4	6	7	5	19	138
1889	18	16	15	16	12	12	8	4	7	14	12	17	151
1890	13	16	18	11	8	11	13	6	13	16	16	19	160
Mean number of days of rain	22.6	20.4	17.3	13.6	9.7	9.2	6.9	5.3	7.9	10.1	13.4	18.9	155.3

TABLE 93. — Number of days on which thunderstorms were observed during 1867—1890.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1867—1880	150	122	136	146	116	84	74	69	89	130	189	180	1485
1881	12	14	20	12	5	6	5	—	3	2	21	15	115
1882	13	14	18	17	15	16	11	10	13	15	22	5	169
1883	16	6	18	15	11	4	4	3	6	12	15	12	122
1884	24	20	18	13	18	8	6	2	8	19	20	8	164
1885	16	11	12	15	8	1	—	—	1	7	18	16	105
1886	15	6	21	12	7	2	1	6	4	15	15	11	115
1887	14	8	12	10	16	5	3	1	10	15	15	16	125
1888	14	18	19	17	11	6	—	3	4	7	14	18	131
1889	15	12	20	17	9	11	3	5	10	19	3	8	132
1890	7	13	16	12	11	10	11	7	9	13	12	14	135
1867—1890	296	244	310	286	227	153	118	106	157	254	344	303	2798
Means.	12.3	10.2	12.9	11.9	9.5	6.4	4.9	4.4	6.5	10.6	14.3	12.6	116.5
Percentage.	10.6	8.8	11.1	10.2	8.2	5.5	4.2	3.8	5.6	9.1	12.3	10.8	—
Monthly means calculated for month of 30 days.	11.9	10.8	12.5	11.9	9.2	6.4	4.7	4.3	6.5	10.3	14.3	12.2	—

TABLE 94. Showing how much percent of the thunderstorms in 1867—1890 occurred in four different parts of the day.

1867—1890.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
Fr. midnight to 6 a. m.	28.7	27.1	21.6	15.9	13.5	20.1	17.0	23.8	12.8	13.7	11.2	11.6	17.7
» 6 a. m. to noon.	6.3	8 9	5.9	3.6	3.0	2.4	2.5	2.3	3.4	4.1	6.8	7.1	5.3
» noon to 6 p. m.	30.6	32 9	45.8	53.7	54.7	46.2	40.8	51.8	49.5	61.1	59.9	55.8	49.1
» 6 p. m. to midnight.	34.3	31.1	26.8	26.8	28.9	31.3	39.7	22.2	34.2	21.0	22.1	25.5	27.9

OBSERVATIONS

MADE AT THE

MAGNETICAL AND METEOROLOGICAL OBSERVATORY

AT

BATAVIA.

PUBLISHED BY ORDER OF THE GOVERNMENT OF NETHERLANDS INDIA,
UNDER THE DIRECTION OF
D^r. J. P. VAN DER STOK.

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ERRATA.

Page	3	January 28	at	Noon	for	31.3	read	81.3
»	91	November 2	»	Noon	»	.10	»	9.10
»	98	November 14	»	2^{h} 30^{m}	»	.7	»	45.7
»	98	November 16	»	2 p. m.	»	40.	»	46.5
»	119	February 7	»	9 a. m.	»	707	»	717
»	119	February 10	»	9 a. m.	»	717	»	707
»	167	June 10	»	9 p. m.	»	— 5	»	— 3
»	190	Table 4^{A}	»	1 a. m.	»	4. 5	»	4.35
»	191	» 5 Monthly Means. August			»	0.93	»	3.90
»	200	» 15 Easterly Declination. August			»	0°.59′.03	»	0°.59′.83

PREFACE.

The several self-recording instruments have been maintained in regular operation during the year 1891, except in October and November, during which months, owing to the different buildings constituting the observatory being repainted, the records of the self-registering electrometer suffered so many interruptions that it seemed advisable to omit them altogether in this publication. For the same reason no determinations of the absolute value of magnetic elements could be made.

The observation of the working standard-barometer *Adie*, 1410, which has been in use continuously since January 1877, having become uncertain owing to an accumulation of blackish material from the leather washers on the mercurial surface of the cistern, the instrument was dismounted. Unfortunately the efforts used to remove the washers from between the iron fittings resulted in the breaking of the tube.

A new series of the barometric hourly observations commences therefore on January 1st, 1891, by means of the new selected standard *Casella*, 925, constructed on the Fortin principle.

By this barometer, which I brought out in 1877, a series of hourly observations has been made during late years and therefore, the correction to the old series being accurately known, there is no discontinuity in the records.

On reviewing the prefaces to previous volumes, I see that a similar case in 1877, when *Adie's* barometer was substituted for the old *Greiner*-standard, has not been mentioned.

The probable reason of the increase of the mean daily oscillation since 1875, stated by *Hann* in Sitzungsberichte der Kais. Akad. der Wiss. zu Wien, Jahrg. 1886 p. 990, cannot be made out: during 1875 and 1876 no change has been made in the instrument, the old Greiner-standard having been observed at the same place as before.

Perhaps the removal or pruning of some tree has altered the thermal conditions, so as to slightly alter the proportion between the variations of the mercurial column of the barometer and the corresponding variation of the bulb of the thermometer, the former being more exposed than the latter. An almost imperceptible alteration in exposure to caloric influences and a corresponding difference in correction for temperature might easily account for the small increase observed of 0.02 millimeter in the range.

BATAVIA, October 1892. VAN DER STOK.

METEOROLOGICAL OBSERVATIONS

BATAVIA

1891.

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BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	9.08	8.59	8.40	8.11	8.41	9.03	9.38	9.66	9.81	9.69	9.51	8.92	—
	2	8.95	8.65	8.36	8.38	8.78	9.64	10.00	10.41	10.54	10.33	9.81	9.29	—
	3	9.23	8.69	8.33	8.35	8.47	8.92	9.54	9.86	9.81	9.64	9.34	8.86	—
	4	7.84	7.80	7.61	7.69	8.10	8.77	9.69	9.97	10.21	9.83	9.31	8.72	—
	5	8.14	8.13	7.96	7.76	7.99	8.67	9.19	9.37	9.65	9.43	9.15	8.59	—
	6	9.56	9.06	9.04	9.21	9.22	9.94	10.51	10.85	10.81	10.58	10.14	9.84	—
	7	9.32	9.07	8.94	8.63	8.81	9.19	9.70	9.55	9.95	9.78	9.53	9.14	—
	8	8.27	8.17	8.08	7.98	8.10	8.21	9.26	9.56	9.94	9.86	9.74	9.65	—
	9	9.06	8.87	8.29	8.18	8.23	8.59	8.94	9.63	9.61	9.68	9.28	8.77	—
	10	8.68	8.01	7.64	7.57	7.67	8.12	8.84	9.11	9.67	9.66	9.40	8.95	—
	11	9.06	8.82	8.50	8.27	8.64	9.09	9.79	10.12	10.29	10.17	9.99	9.52	—
	12	9.32	8.84	8.14	8.23	8.85	9.15	9.77	10.15	10.12	9.88	9.57	9.27	—
	13	9.01	8.73	8.59	8.61	8.93	9.06	9.57	9.73	10.02	9.95	9.93	9.30	—
	14	9.81	9.46	8.96	8.77	9.09	9.64	10.20	10.34	10.66	10.64	10.13	9.67	—
	15	9.42	9.04	8.87	8.88	9.34	9.52	10.06	10.38	10.15	10.01	9.77	9.18	—
	16	8.67	8.22	7.98	7.87	8.39	8.81	9.46	9.76	9.89	9.76	9.36	8.74	—
	17	9.16	8.91	8.57	8.45	8.81	9.38	10.07	10.96	10.70	10.43	9.94	9.79	—
	18	10.01	9.76	9.75	10.02	10.07	10.97	11.67	11.67	11.58	11.26	11.02	10.60	—
	19	9.11	9.01	8.96	8.93	9.10	9.98	10.74	10.94	11.18	10.79	10.31	9.80	—
	20	8.95	8.58	8.21	8.42	8.88	9.44	9.81	10.35	10.28	10.32	9.63	9.57	—
	21	9.02	8.28	8.16	8.03	8.11	8.51	8.92	9.28	9.33	9.29	9.02	8.39	—
	22	8.23	7.86	7.32	7.18	7.61	8.08	8.66	8.94	9.51	9.32	9.01	8.49	—
	23	8.33	7.95	7.97	7.79	8.02	8.43	9.12	9.52	9.65	9.47	9.19	8.80	—
	24	8.74	8.42	8.08	8.79	8.16	8.61	8.87	9.08	9.33	9.22	8.93	8.32	—
	25	8.00	7.52	7.02	6.88	6.87	7.47	7.82	8.84	8.82	8.73	8.17	7.76	—
	26	8.18	7.73	7.66	7.22	7.69	8.20	8.84	9.33	9.09	9.28	8.65	8.22	—
	27	8.07	7.58	7.09	6.99	7.21	7.59	8.54	9.23	8.97	8.83	8.35	7.99	—
	28	6.62	5.89	5.81	5.86	6.32	6.58	6.87	7.30	7.36	7.40	7.07	6.70	—
	29	6.49	5.92	5.71	5.76	6.07	6.45	6.88	7.35	7.51	7.42	6.98	6.56	—
	30	6.93	6.42	6.34	6.33	6.81	7.11	7.61	8.14	8.22	7.69	7.07	6.62	—
	31	6.53	6.00	5.96	5.78	5.78	5.94	6.13	6.62	6.65	6.43	5.96	5.54	—
Hourly Means.		8.57	8.49	7.94	7.90	8.15	8.62	9.18	9.55	9.66	9.51	9.13	8.70	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	8.03	7.48	6.76	6.83	7.37	7.95	8.74	9.05	9.76	10.00	9.98	9.73	8.76
	2	8.52	7.66	7.10	6.92	7.00	7.48	7.68	8.59	9.28	9.21	9.28	8.98	8.79
	3	8.16	7.44	7.03	6.98	7.33	7.62	7.75	8.31	9.13	9.18	9.06	8.58	8.57
	4	7.80	7.22	6.68	6.54	6.74	7.32	8.04	8.52	8.73	9.09	8.90	8.39	8.31
	5	8.14	7.43	6.99	6.82	7.36	8.25	8.82	9.15	9.88	10.02	9.99	9.83	8.61
	6	8.90	7.98	7.32	7.38	8.03	8.55	9.13	9.60	10.08	10.28	10.15	9.88	9.42
	7	8.10	7.34	6.38	6.40	6.78	7.44	7.85	8.28	9.17	9.09	9.40	9.14	8.62
	8	9.06	8.10	7.34	7.05	7.01	7.75	8.41	8.63	9.41	9.88	10.75	9.23	8.73
	9	8.20	7.33	6.71	6.51	6.57	7.28	7.88	8.66	9.36	9.53	9.45	9.21	8.49
	10	8.33	7.36	6.65	6.71	7.27	7.70	8.37	8.61	9.35	9.56	9.57	9.26	8.42
	11	8.88	8.45	7.80	7.70	7.86	8.31	8.91	9.18	9.26	9.93	9.78	9.74	9.08
	12	9.08	8.10	7.32	7.47	8.26	8.51	8.70	9.21	9.72	9.95	10.02	9.52	9.05
	13	9.11	8.80	7.88	8.08	8.77	9.21	9.42	9.91	10.39	10.42	10.04	9.94	9.31
	14	9.05	8.38	7.65	7.73	8.25	8.92	9.66	10.16	10.13	10.46	10.46	10.04	9.51
	15	8.55	8.03	7.46	7.38	7.30	8.35	8.99	9.08	9.52	9.86	9.80	9.35	9.10
	16	7.90	7.33	6.74	6.74	7.20	8.03	8.69	9.13	9.60	10.10	10.19	9.66	8.68
	17	9.00	8.46	8.12	7.87	8.30	9.01	9.55	10.10	10.56	10.77	10.68	10.36	9.50
	18	9.96	9.14	8.48	8.05	8.23	8.56	8.91	9.63	10.06	10.24	9.91	9.65	9.97
	19	9.08	8.08	7.71	7.45	7.88	8.50	8.90	9.28	9.88	9.87	9.96	9.67	9.38
	20	8.66	8.08	7.37	7.36	7.57	8.45	9.19	9.29	9.75	9.73	9.46	9.35	9.03
	21	7.78	7.35	6.29	5.84	5.92	6.70	7.50	7.83	8.34	8.52	8.52	8.33	8.05
	22	7.67	6.99	6.40	6.51	6.60	7.02	7.43	8.10	8.60	8.69	8.91	8.32	7.98
	23	8.14	7.69	7.31	7.08	7.46	7.94	8.48	8.72	9.35	9.56	9.42	9.23	8.53
	24	7.90	7.35	6.91	6.23	6.80	7.31	7.31	7.70	8.02	8.19	8.23	8.01	8.10
	25	7.05	6.41	5.77	5.83	6.21	6.91	7.27	7.96	8.42	8.93	8.86	8.50	7.58
	26	7.67	6.94	6.44	6.25	6.27	6.54	7.25	7.78	8.47	8.68	8.73	8.61	7.91
	27	6.96	6.14	5.62	5.79	5.80	6.31	7.18	7.46	7.66	7.60	7.60	7.07	7.40
	28	5.95	5.35	4.69	4.40	4.54	5.14	5.61	5.97	6.67	6.97	6.93	6.75	6.20
	29	5.93	5.33	4.84	4.93	4.84	5.20	6.01	6.80	7.47	7.86	7.78	7.51	6.40
	30	5.99	5.63	5.20	4.98	4.75	5.49	6.09	6.73	6.82	7.07	7.30	7.01	6.60
	31	4.97	4.29	3.85	3.63	3.74	4.15	4.70	5.41	5.65	5.25	5.61	5.62	5.42
Hourly Means.		8.02	7.34	6.74	6.63	6.90	7.48	8.01	8.48	8.98	9.18	9.18	8.85	8.37

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	76.4	76.3	76.0	75.9	75.7	75.8	76.3	78.0	79.6	81.6	83.6	85.2	—
	2	75.4	75.0	74.8	75.2	74.7	74.5	75.5	77.4	79.5	81.3	83.8	84.5	—
	3	75.3	74.3	73.5	73.1	72.9	72.4	73.0	75.6	78.0	80.3	83.6	82.3	—
	4	76.3	75.5	75.1	74.6	74.6	74.0	74.6	76.1	78.1	81.8	84.3	85.7	—
	5	76.0	75.0	74.2	74.0	73.3	73.0	73.9	77.5	80.9	82.8	84.6	86.0	—
	6	75.4	75.0	74.3	74.1	74.1	73.9	74.9	77.3	79.7	81.6	84.0	84.0	—
	7	76.4	76.2	76.0	75.6	75.3	75.6	76.1	78.0	80.1	82.9	81.9	82.6	—
	8	75.0	75.3	75.3	74.9	74.9	74.4	75.1	76.5	76.8	78.0	81.5	79.7	—
	9	73.8	72.5	72.1	71.5	71.0	70.1	70.7	72.8	76.0	78.2	79.4	82.3	—
	10	75.4	74.8	74.2	74.2	74.2	74.0	74.5	76.4	77.9	79.0	79.0	79.0	—
	11	76.3	75.6	75.1	74.7	74.9	74.8	74.6	74.8	75.3	76.6	78.1	79.3	—
	12	72.8	72.5	72.3	71.5	71.6	71.8	72.7	73.8	76.0	78.2	80.1	80.4	—
	13	75.7	75.0	74.9	74.3	73.5	73.1	73.6	75.4	77.4	78.3	79.1	81.2	—
	14	73.7	73.5	73.1	72.9	72.9	72.9	73.8	74.7	75.7	76.0	78.9	81.0	—
	15	74.6	74.0	73.5	73.5	73.5	73.7	74.4	76.9	79.5	82.4	84.4	85.1	—
	16	75.3	74.7	74.4	73.8	73.3	73.6	74.8	77.8	80.3	81.3	83.5	85.6	—
	17	76.9	76.6	76.1	75.6	75.2	74.8	75.1	76.6	79.2	79.8	80.6	81.8	—
	18	75.3	75.0	75.1	74.8	74.7	74.7	74.9	75.4	76.2	76.8	78.4	79.3	—
	19	76.0	76.0	76.0	75.4	75.2	74.7	75.1	76.4	78.8	80.6	81.1	81.7	—
	20	74.7	74.1	73.7	73.9	73.7	73.9	74.7	76.2	77.2	79.2	81.9	79.8	—
	21	74.6	74.0	73.8	73.4	73.2	73.1	73.4	75.7	78.0	80.6	83.0	83.7	—
	22	75.3	75.0	74.5	74.0	73.4	73.6	74.0	75.4	77.4	79.6	82.2	83.2	—
	23	75.5	75.1	74.9	74.3	74.0	74.0	74.3	75.6	77.6	80.0	81.4	80.6	—
	24	74.8	74.0	73.6	73.6	73.6	73.2	73.7	75.4	78.0	80.6	81.8	80.0	—
	25	72.4	72.2	72.2	72.8	72.8	72.4	73.1	74.0	75.5	78.0	79.2	80.5	—
	26	74.0	73.4	73.3	73.1	73.1	73.5	73.4	74.4	75.8	78.7	81.1	82.1	—
	27	75.0	74.5	74.3	74.3	74.5	74.5	74.8	76.8	79.9	82.2	83.1	83.3	—
	28	74.4	73.9	74.1	74.1	74.0	73.9	74.2	75.8	77.8	79.3	81.1	31.3	—
	29	73.9	73.1	72.7	72.4	72.0	71.9	72.2	74.1	77.8	80.0	82.5	83.3	—
	30	75.7	75.1	74.4	74.0	73.7	73.7	74.1	76.2	79.0	82.0	83.5	84.2	—
	31	76.9	76.5	76.0	75.0	74.8	74.1	75.1	77.0	80.2	83.9	86.1	87.0	—
Hourly Means.		75.14	74.64	74.31	74.02	73.82	73.66	74.20	75.94	78.04	80.05	81.83	82.44	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	84.6	83.5	83.2	83.0	81.3	80.6	80.2	79.7	79.0	77.8	77.0	76.0	79.43
	2	85.0	84.7	84.2	83.9	83.7	82.8	81.9	80.7	79.3	78.5	77.0	75.9	79.55
	3	83.4	86.0	84.7	82.8	82.9	81.0	79.4	77.8	76.8	76.4	76.0	76.3	78.24
	4	85.7	87.0	86.5	87.7	87.0	85.2	83.4	81.2	80.4	79.0	77.7	77.0	80.35
	5	85.7	85.0	84.0	83.4	83.0	82.0	78.8	77.5	77.0	76.4	76.0	75.4	78.98
	6	85.0	85.0	84.6	83.1	78.7	77.7	77.0	77.0	77.0	76.6	76.5	76.3	78.45
	7	84.8	84.6	84.3	82.9	81.5	80.1	78.5	77.8	77.6	77.0	76.4	75.7	79.08
	8	81.2	83.0	82.4	82.1	81.9	80.9	79.9	79.3	79.4	76.6	76.3	75.3	78.15
	9	82.6	83.4	83.7	83.2	82.2	80.6	79.7	78.3	77.4	76.9	76.2	76.0	77.11
	10	80.8	82.0	81.6	80.5	79.8	79.2	78.6	77.4	76.9	76.9	76.5	76.3	77.46
	11	79.3	79.2	79.0	78.4	78.8	78.6	78.0	77.1	76.8	76.4	76.2	72.4	76.68
	12	80.1	81.3	81.2	81.4	80.7	79.7	78.5	77.3	77.0	76.7	76.5	76.0	76.67
	13	81.2	80.7	79.9	79.4	78.2	76.2	74.6	74.0	74.0	73.8	73.5	73.7	76.28
	14	82.1	81.4	82.2	81.6	81.2	78.8	78.0	77.6	76.8	76.1	75.5	75.0	76.89
	15	86.3	87.4	84.3	82.0	82.0	81.2	79.7	78.8	77.6	77.9	76.5	75.7	78.95
	16	87.0	87.0	86.3	83.4	82.1	81.0	80.0	79.4	78.6	78.0	77.4	77.0	79.40
	17	82.2	85.0	83.8	84.0	83.8	80.2	79.2	78.0	76.8	76.4	75.7	75.5	78.70
	18	80.6	80.8	81.4	82.2	81.5	79.8	79.1	78.8	78.3	77.8	77.2	76.4	77.69
	19	82.6	83.1	83.3	82.6	82.3	81.7	80.1	77.8	76.9	76.0	76.0	75.1	78.52
	20	80.5	81.4	82.6	83.0	82.0	81.0	77.9	76.4	76.4	75.6	74.7	74.7	77.47
	21	82.0	77.8	80.0	80.5	81.7	80.2	79.2	78.4	77.2	76.7	76.3	75.8	77.58
	22	83.6	83.0	82.6	81.4	80.6	80.2	79.5	78.7	78.0	77.1	76.6	75.8	78.11
	23	82.4	81.3	79.8	80.2	77.5	77.2	76.4	75.7	75.7	75.4	75.2	75.0	77.05
	24	79.6	81.2	80.0	82.0	80.0	77.6	76.4	75.0	74.0	73.7	73.0	72.5	76.55
	25	81.8	82.2	82.7	81.3	79.1	78.1	77.5	77.2	77.0	76.5	75.9	75.2	76.65
	26	82.5	83.6	83.0	82.2	81.7	80.0	79.0	78.3	77.5	76.6	75.8	75.0	77.55
	27	82.3	82.3	83.2	82.2	82.2	81.0	78.8	77.5	77.1	76.2	75.6	75.0	78.36
	28	83.7	85.0	84.1	84.2	83.2	82.9	80.4	79.1	78.3	77.1	76.0	74.8	78.45
	29	84.0	84.3	85.3	85.1	84.9	82.6	80.6	79.8	78.6	77.4	76.9	76.7	78.42
	30	85.0	83.0	82.6	81.3	82.0	81.0	79.8	79.1	78.1	77.2	77.4	77.2	78.72
	31	88.0	87.4	84.7	84.7	83.6	82.6	81.0	80.0	79.0	77.3	76.1	75.7	80.11
Hourly Means.		83.08	83.31	82.94	82.44	81.65	80.38	79.07	78.09	77.44	76.71	76.12	75.50	78.12

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	940	940	957	948	915	940	940	868	817	777	713	685	—
	2	914	922	939	930	947	947	939	875	809	734	693	676	—
	3	897	913	929	929	920	928	920	864	783	681	626	647	—
	4	906	923	914	922	922	912	913	857	791	700	643	592	—
	5	873	897	912	912	937	929	912	836	733	663	631	617	—
	6	930	922	947	947	947	947	947	867	803	757	681	722	—
	7	915	940	931	940	957	940	940	885	804	746	785	780	—
	8	939	939	930	939	939	947	939	916	900	861	770	840	—
	9	956	955	955	955	954	953	954	929	849	799	786	702	—
	10	947	939	947	947	947	947	913	874	845	823	823	832	—
	11	940	940	947	947	947	956	956	965	974	957	885	802	—
	12	964	955	928	945	955	955	964	930	890	853	811	804	—
	13	940	956	956	904	920	946	929	898	844	853	816	762	—
	14	956	956	964	964	964	964	965	965	931	948	878	813	—
	15	947	956	956	965	965	965	956	875	810	723	676	659	—
	16	914	913	930	938	946	956	947	884	819	792	741	680	—
	17	858	866	890	905	914	930	939	883	779	795	753	750	—
	18	914	930	939	947	956	956	956	931	915	883	838	809	—
	19	940	940	940	948	947	947	956	924	847	797	783	763	—
	20	921	921	938	938	938	947	922	882	835	832	771	802	—
	21	939	938	947	938	946	946	955	915	853	789	760	673	—
	22	905	905	921	930	938	920	930	905	859	795	744	705	—
	23	905	905	913	930	938	930	921	889	836	818	756	804	—
	24	904	921	921	921	921	920	921	905	846	790	757	856	—
	25	867	893	902	894	885	885	860	870	864	798	764	746	—
	26	837	886	903	920	929	903	938	921	832	815	740	736	—
	27	922	930	939	921	888	879	888	866	787	737	697	719	—
	28	921	938	947	947	938	938	913	873	813	809	770	756	—
	29	921	937	946	946	946	946	936	904	868	803	723	705	—
	30	889	905	913	912	920	920	930	890	839	743	686	682	—
	31	826	833	848	879	897	921	914	907	841	666	630	610	—
Hourly Means.		914	923	931	933	935	936	933	895	839	792	746	733	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	723	748	739	739	791	811	834	855	878	867	891	931	844
	2	690	702	715	693	645	661	777	753	809	814	874	898	807
	3	645	604	663	738	738	812	847	867	882	882	906	890	813
	4	636	592	608	559	579	639	705	768	781	822	835	850	765
	5	661	632	666	712	732	757	792	843	874	899	906	922	802
	6	710	684	682	725	829	859	916	916	916	932	932	940	852
	7	690	669	655	738	756	803	806	844	859	866	890	914	836
	8	843	753	744	742	742	789	810	809	809	906	940	947	862
	9	710	691	686	677	722	760	809	868	900	916	931	923	848
	10	790	757	763	788	802	808	853	891	924	924	932	940	873
	11	794	832	839	885	902	901	925	949	948	966	948	937	918
	12	796	756	762	748	753	786	853	900	924	932	932	948	877
	13	784	775	803	809	908	931	947	956	956	965	965	965	895
	14	778	776	737	756	806	878	884	907	916	931	939	947	897
	15	656	673	777	837	822	836	879	902	925	860	899	914	851
	16	659	628	625	753	800	768	818	832	853	860	883	883	826
	17	751	690	734	741	734	730	771	829	866	873	914	914	825
	18	797	761	776	758	770	810	823	854	868	892	916	923	872
	19	731	704	740	731	758	784	787	828	850	889	881	913	847
	20	804	784	723	746	785	790	860	915	915	931	939	947	866
	21	807	835	864	797	749	788	809	837	875	883	890	906	860
	22	734	663	696	756	789	803	824	822	836	875	891	905	835
	23	730	726	847	840	859	891	906	856	872	889	897	897	865
	24	825	762	788	737	708	781	802	839	845	836	860	867	843
	25	721	751	738	770	740	776	774	827	842	865	881	855	824
	26	675	673	671	688	713	736	808	814	844	866	898	930	820
	27	715	744	753	715	700	725	793	828	819	865	872	897	817
	28	700	659	742	675	716	715	701	771	814	842	864	897	819
	29	700	675	595	614	619	730	804	780	807	851	866	874	812
	30	677	788	794	896	822	761	802	816	861	875	843	898	836
	31	649	666	716	702	685	702	739	781	815	867	898	914	788
Hourly Means.		728	715	730	744	757	785	821	847	867	885	900	912	842

DIRECTION OF THE WIND.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	C	C	C	C	C	C	N	E	E	E	ENE	E
	2	SW	SW	SW	C	C	C	SSW	SW	SW	NNW	WNW	NW
	3	C	C	C	C	C	C	C	NW	NW	WNW	NW	W
	4	C	C	C	C	C	C	WNW	WNW	NW	WNW	WNW	NW
	5	C	C	C	C	C	C	C	WNW	S	S	SW	NNW
	6	C	C	C	C	C	SSW	SSW	SE	SE	SE	S	NE
	7	SSW	C	SSW	SSW	C	C	C	SSW	ESE	ENE	N	NE
	8	C	C	C	C	C	C	C	S	SW	WNW	NW	NW
	9	WNW	WSW	WSW	SW	SW	SW	SW	C	SW	NW	WNW	WNW
	10	NW	NW	NW	NNW	C	NNW	C	NNW	W	NW	N	NW
	11	C	C	C	C	C	N	NNW	C	NW	NW	NNW	NNW
	12	NW	C	C	C	C	C	C	C	WNW	NW	NW	NW
	13	C	NNW	NNW	NW	C	C	C	C	NW	N	N	NW
	14	C	C	C	C	C	C	C	C	C	SW	WNW	NNW
	15	C	C	C	C	C	C	S	WSW	WSW	NW	W	WNW
	16	C	C	C	C	C	SW	SW	W	W	W	WNW	WNW
	17	W	W	W	W	W	C	W	WNW	WSW	NW	WNW	NW
	18	C	C	C	C	C	C	C	SE	SE	E	NW	NW
	19	C	C	C	C	C	C	N	C	N	NNW	NNW	NNW
	20	C	C	C	C	C	W	W	C	N	NW	N	NNW
	21	C	C	C	C	C	C	C	W	WNW	NW	W	NW
	22	C	W	C	C	C	W	C	C	W	NW	WNW	NNW
	23	C	WNW	WNW	WNW	WNW	WNW	WNW	W	W	SW	NW	WNW
	24	WNW	WNW	W	W	W	C	C	W	W	WNW	WNW	WNW
	25	C	C	C	C	WNW	WNW	WNW	NW	WNW	WNW	NW	NW
	26	W	WSW	WSW	SW	C	SW	WSW	WSW	W	W	WSW	NW
	27	C	C	WNW	WNW	WNW	WNW	WNW	WNW	NW	WNW	WNW	WNW
	28	C	C	WSW	C	C	C	WSW	W	W	NW	WNW	NW
	29	C	C	C	C	C	C	C	WNW	W	WNW	W	WNW
	30	C	C	C	C	C	C	NW	NW	WNW	WNW	NW	WNW
	31	WSW	WSW	WSW	W	C	C	W	W	WNW	W	WNW	W

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12
JANUARY.	1	NNE	NE	NNE	NE	NNE	NNE	NNE	C	N	SW	SW	SW
	2	N	N	N	N	N	NW	NW	NW	C	C	C	C
	3	WSW	N	N	N	NW	WNW	WNW	C	C	C	C	C
	4	NW	NW	NNW	NW	NW	WNW	WNW	WNW	C	C	WNW	WNW
	5	NNE	N	N	N	N	NW	SSW	SSW	C	C	C	C
	6	N	NNE	N	NW	W	W	WSW	SW	C	C	C	SW
	7	NNE	N	NNE	N	W	WSW	S	S	C	S	C	C
	8	NW	N	NNE	NNE	NNE	N	N	N	N	NW	NW	NW
	9	NNW	NNW	NNW	NNW	NNW	NNW	NW	C	C	C	C	NW
	10	N	N	N	N	N	N	C	C	C	C	C	C
	11	NW	NNW	NNW	NNW	NNW	C	C	N	N	C	N	NW
	12	NNW	NW	N	NNW	NNW	NNW	C	C	C	C	NNW	C
	13	NNW	N	N	NNW	NW	SSW	SW	SW	C	SW	SW	C
	14	N	N	NNW	NNW	NNW	S	S	C	C	C	C	C
	15	NW	NW	WNW	NNW	SW	C	C	C	C	C	C	C
	16	NW	WNW	WNW	SW	SW	W	W	W	W	W	W	W
	17	WNW	WNW	NW	NW	NW	S	ESE	ESE	C	C	C	C
	18	WNW	NW	N	NW	NNW	N	C	C	C	C	C	C
	19	N	N	N	N	N	NW	WNW	WNW	C	C	C	C
	20	NW	NNW	N	N	N	NNW	W	WSW	C	C	C	C
	21	N	NW	NW	NW	WNW	W	W	W	W	C	C	C
	22	NW	NW	NW	NW	NW	WNW	WNW	WNW	WNW	WNW	WNW	C
	23	NW	W	WSW	WSW	WSW	WSW	WSW	WSW	WSW	W	W	W
	24	NW	NW	NW	WNW	W	W	W	W	WNW	C	C	C
	25	WNW	NW	NW	WSW	W	WSW	W	W	C	W	C	WSW
	26	WNW	W	WNW	W	NW	WNW	WNW	WNW	WNW	C	C	C
	27	NW	NW	NW	WNW	W	W	W	W	W	W	C	C
	28	NW	NW	NNW	NW	NW	WNW	W	W	WNW	C	C	C
	29	NW	NNW	NW	NNW	NW	NW	NW	C	C	C	C	C
	30	NW	NNW	N	N	NW	W	W	WSW	WSW	WSW	WSW	WSW
	31	SW	NW	W	W	W	W	WNW	WNW	W	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	5.6	8.0	8.0	10.5	—
	2	1.6	0.8	0.8	0.0	0.0	0.0	0.8	1.6	1.6	2.4	4.8	4.8	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	4.8	4.0	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	6.4	6.4	4.8	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	3.2	3.2	7.2	—
	6	0.0	0.0	0.0	0.0	0.0	0.8	1.6	4.0	3.2	1.6	3.2	8.0	—
	7	1.6	0.0	0.8	0.8	0.0	0.0	0.0	1.6	2.4	4.8	5.6	2.4	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	7.2	8.9	—
	9	8.9	1.6	1.6	2.4	3.2	3.2	0.8	0.0	1.6	4.8	4.8	4.8	—
	10	0.8	0.8	1.6	0.8	0.0	0.8	0.0	1.6	1.6	3.2	6.4	8.0	—
	11	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	0.8	4.8	8.0	8.0	—
	12	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	6.4	8.0	—
	13	0.0	0.8	0.8	1.6	0.0	0.0	0.0	0.0	0.8	3.2	3.2	8.0	—
	14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	8.0	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	6.4	7.2	7.2	—
	16	0.0	0.0	0.0	0.0	0.0	1.6	0.8	3.2	4.8	3.2	4.8	5.6	—
	17	0.8	2.4	1.6	0.8	1.6	0.0	1.6	2.4	6.4	8.0	8.0	5.6	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	3.2	4.8	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	2.4	4.8	6.4	6.4	—
	20	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	0.8	1.6	5.6	9.7	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.0	6.4	5.6	—
	22	0.0	0.8	0.0	0.0	0.0	0.8	0.0	0.0	2.4	5.6	8.0	11.3	—
	23	0.0	0.8	0.8	0.8	0.8	1.6	1.6	1.6	4.8	4.8	6.4	7.2	—
	24	6.4	3.2	3.2	1.6	0.8	0.0	0.0	0.8	4.8	7.2	6.4	5.6	—
	25	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	4.0	6.4	8.9	8.9	—
	26	3.2	3.2	3.2	1.6	0.0	0.8	1.6	3.2	5.6	4.8	6.4	12.1	—
	27	0.0	0.0	0.8	1.6	0.8	1.6	4.8	5.6	6.4	8.0	8.0	9.7	—
	28	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.6	3.2	7.2	8.0	8.9	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	5.6	5.6	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	6.4	7.2	13.7	—
	31	3.2	0.8	0.8	0.8	0.0	0.0	1.6	3.2	6.4	8.9	9.7	11.3	—
Hourly Means.		0.91	0.49	0.54	0.41	0.26	0.46	0.88	1.68	3.10	4.78	6.23	7.57	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	14.5	13.7	9.7	9.7	7.2	4.8	0.8	0.0	4.8	4.0	1.6	0.8	4.65
	2	7.2	12.1	8.0	9.7	8.0	3.2	1.6	0.8	0.0	0.0	0.0	0.0	2.91
	3	3.2	8.9	8.9	6.4	4.0	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.01
	4	7.2	8.0	8.0	4.8	4.8	1.6	1.6	1.6	0.0	0.0	0.8	0.8	2.60
	5	8.9	11.3	9.7	10.5	6.4	5.6	3.2	1.6	0.0	0.0	0.0	0.0	3.28
	6	9.7	10.5	10.5	5.6	1.6	0.8	1.6	0.8	0.0	0.0	0.0	0.8	2.68
	7	7.2	10.5	9.7	3.2	1.6	3.2	1.6	0.8	0.0	0.8	0.0	0.0	2.44
	8	8.0	8.0	10.5	11.3	7.2	3.2	1.6	1.6	1.6	0.8	0.8	4.8	3.38
	9	4.8	8.0	8.0	7.2	4.8	3.2	0.8	0.0	0.0	0.0	0.0	0.8	3.14
	10	9.7	10.5	8.9	7.2	5.6	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2.91
	11	4.0	1.6	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.0	6.4	4.8	1.87
	12	8.9	8.9	8.0	8.0	5.6	1.6	0.0	0.0	0.0	0.0	0.8	0.0	2.64
	13	10.5	14.5	12.9	8.9	1.6	4.0	2.4	1.6	0.0	1.6	1.6	0.0	3.25
	14	10.5	12.1	11.3	3.2	6.4	4.0	0.8	0.0	0.0	0.0	0.0	0.0	2.58
	15	8.0	8.0	7.2	1.6	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.30
	16	8.9	12.1	9.7	3.2	0.8	3.2	0.8	1.6	0.8	0.8	0.8	0.8	2.81
	17	8.0	8.0	7.2	6.4	6.4	3.2	1.6	0.8	0.0	0.0	0.0	0.0	3.37
	18	3.2	2.4	4.8	6.4	4.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	1.47
	19	8.0	9.7	11.3	9.7	6.4	3.2	1.6	0.8	0.0	0.0	0.0	0.0	2.98
	20	6.4	10.5	9.7	9.7	6.4	5.6	1.6	0.8	0.0	0.0	0.0	0.0	2.95
	21	7.2	7.2	4.8	6.4	6.4	2.4	1.6	0.8	0.8	0.0	0.0	0.0	2.50
	22	14.5	14.5	11.3	11.3	8.0	3.2	1.6	1.6	0.8	1.6	1.6	0.0	4.12
	23	9.7	8.9	4.0	3.2	1.6	0.8	1.6	3.2	1.6	1.6	0.8	1.6	2.91
	24	11.3	10.5	11.3	8.0	4.8	4.8	3.2	4.0	1.6	0.0	0.0	0.0	4.15
	25	8.9	7.2	8.0	6.4	5.6	4.0	2.4	0.8	0.0	0.8	0.0	3.2	3.45
	26	13.7	10.5	8.9	8.0	9.7	4.8	1.6	2.4	0.8	0.0	0.0	0.0	4.42
	27	9.7	12.9	10.5	8.0	8.0	6.4	4.8	4.0	2.4	1.6	0.0	0.0	4.82
	28	9.7	9.7	8.0	11.3	7.2	3.2	3.2	3.2	1.6	0.0	0.0	0.0	3.65
	29	8.0	9.7	8.9	6.4	4.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.51
	30	6.4	6.4	7.2	2.4	4.8	1.6	1.6	2.4	1.6	0.8	0.8	2.4	2.90
	31	10.5	9.7	8.9	8.9	6.4	4.8	4.0	4.8	1.6	0.0	0.0	0.0	4.43
Hourly Means.		8.59	9.56	8.60	6.90	5.16	3.05	1.57	1.32	0.67	0.46	0.52	0.67	3.10

CLOUDS.

CLEAR = O — OVERCAST = 10

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	8	9	10	8	10	9	6	4	9	7	8	6	—
	2	10	10	10	9	8	6	8	7	7	6	5	4	—
	3	7	7	3	3	3	4	9	4	10	6	8	9	—
	4	10	10	10	10	10	10	6	7	6	4	5	6	—
	5	2	4	6	4	3	3	2	1	0	1	6	6	—
	6	3	2	3	4	6	8	5	3	4	8	8	5	—
	7	9	10	8	9	10	10	10	8	6	8	9	6	—
	8	5	9	8	9	8	9	9	10	10	9	8	10	—
	9	10	10	10	10	10	10	9	9	8	9	7	7	—
	10	3	2	4	7	9	9	9	6	10	10	10	10	—
	11	4	3	5	7	10	10	10	10	10	10	10	10	—
	12	10	10	10	10	10	10	9	10	9	9	10	10	—
	13	3	2	1	6	3	7	9	10	10	10	9	10	—
	14	10	6	6	6	9	9	10	10	10	10	7	8	—
	15	2	2	3	6	6	7	6	5	4	5	6	5	—
	16	1	1	1	0	1	4	3	4	6	7	7	6	—
	17	3	3	4	2	3	7	8	9	9	10	10	10	—
	18	9	8	7	7	6	9	10	10	10	10	10	10	—
	19	8	6	6	9	9	10	9	7	9	9	10	10	—
	20	6	4	5	8	7	10	10	10	10	9	9	10	—
	21	7	3	2	2	2	8	8	4	4	4	6	10	—
	22	8	8	10	6	7	10	10	10	9	9	9	10	—
	23	3	4	3	3	2	4	10	9	9	8	10	10	—
	24	10	10	10	10	10	10	9	10	7	8	9	9	—
	25	10	10	10	10	10	10	10	10	10	8	8	9	—
	26	10	10	10	10	10	10	10	10	10	10	10	10	—
	27	10	9	9	9	10	10	10	7	6	7	9	8	—
	28	8	7	7	8	7	8	10	10	10	9	10	10	—
	29	5	7	6	6	7	6	8	8	8	9	9	9	—
	30	6	8	9	9	10	10	10	10	7	6	10	10	—
	31	4	5	5	7	5	6	6	4	3	2	4	5	—
Hourly Means.		6.6	6.4	6.5	6.9	7.1	8.2	8.3	7.6	7.7	7.6	8.3	8.3	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	5	4	10	2	10	6	9	7	8	9	8	10	7.6
	2	3	3	2	3	4	3	6	2	2	3	2	2	5.2
	3	7	8	9	10	8	4	2	2	1	3	5	8	5.8
	4	8	6	6	4	4	7	5	3	3	2	2	2	6.1
	5	7	8	7	9	7	10	5	3	2	2	2	3	4.3
	6	6	4	3	10	10	10	10	10	10	8	9	10	6.6
	7	3	2	2	4	10	10	10	10	10	7	8	6	7.7
	8	10	9	9	9	8	10	5	7	7	10	10	10	8.7
	9	8	4	3	4	2	5	3	2	2	1	1	2	6.1
	10	8	9	7	7	7	7	5	4	2	2	8	6	6.7
	11	9	10	10	10	10	7	8	7	8	9	10	10	8.6
	12	10	8	8	6	7	7	7	8	10	10	10	8	9.0
	13	10	10	10	10	10	10	10	10	10	10	10	10	8.3
	14	9	9	9	8	10	9	9	8	6	5	3	2	7.8
	15	7	6	10	9	7	9	4	2	3	2	2	2	5.0
	16	6	6	8	10	10	6	3	8	9	9	7	6	5.4
	17	7	8	8	10	10	10	10	10	10	10	10	9	7.9
	18	10	10	9	9	8	7	10	10	10	10	8	3	8.8
	19	6	6	4	2	2	8	4	7	6	9	9	5	7.1
	20	8	9	7	7	7	8	10	10	9	4	2	8	7.8
	21	10	10	10	10	6	6	6	5	4	4	6	8	6.0
	22	10	9	10	10	10	10	9	6	6	6	6	6	8.5
	23	8	9	10	10	10	9	10	10	9	10	8	10	7.8
	24	9	9	8	9	10	10	9	10	10	8	7	9	9.2
	25	9	9	9	8	9	9	10	9	10	10	9	9	9.4
	26	7	8	7	6	3	2	4	6	3	3	9	8	7.8
	27	10	9	9	8	8	8	10	10	10	10	10	6	8.8
	28	10	10	10	9	10	10	6	7	7	8	7	5	8.5
	29	8	8	5	5	4	6	3	2	2	6	7	5	6.2
	30	10	10	10	10	9	9	4	3	5	5	6	3	7.9
	31	6	7	8	6	4	4	4	6	3	2	3	3	4.7
Hourly Means.		7.9	7.6	7.6	7.5	7.5	7.6	6.8	6.6	6.4	6.4	6.6	6.3	7.26

DURATION OF SUNSHINE.

JANUARY.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	9	0	6	8	3	7	7	9	8	10	9	1	9	10	10	8	7.1
2	5	8	4	4	4	7	7	6	2	7	9	10	8	9	8	9	6.7
3	10	2	0	9	9	7	1	0	0	2	3	4	7	7	1	0	3.9
4	3	0	9	10	7	7	7	6	9	7	7	9	6	5	6	8	6.6
5	10	10	10	10	7	4	2	7	7	7	8	8	3	7	2	4	6.6
6	10	10	6	3	3	1	4	7	6	8	9	9	10	10	10	3	6.8
7	9	7	8	4	4	1	1	1	3	7	9	10	10	10	9	1	5.9
8	0	0	0	0	3	1	4	6	1	3	8	9	7	9	8	4	3.9
9	7	7	6	5	0	3	8	10	9	4	8	9	10	10	10	10	7.3
10	0	0	0	0	0	0	3	4	7	8	8	7	7	8	3	0	3.4
11	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0.2
12	0	2	2	0	3	5	2	2	0	0	2	4	5	6	5	9	2.9
13	0	0	0	0	0	0	0	7	7	2	2	0	0	0	0	0	1.1
14	0	0	0	0	0	3	8	7	7	7	7	3	3	6	3	4	3.6
15	6	9	10	9	9	9	9	8	7	9	7	8	7	6	3	0	7.3
16	10	9	2	3	6	6	5	9	7	9	9	7	7	1	1	1	5.8
17	7	8	1	0	0	0	1	2	5	0	6	7	7	0	0	2	2.9
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	0.3
19	0	1	3	3	6	3	2	2	0	5	7	6	7	6	7	7	4.1
20	0	0	1	2	2	6	4	0	0	0	3	5	3	5	4	6	2.6
21	7	7	7	7	7	7	8	1	0	0	0	0	0	0	0	0	3.2
22	0	2	4	7	9	9	6	7	9	7	6	9	7	2	0	0	5.2
23	7	4	9	3	8	4	1	2	3	8	4	3	3	0	0	0	3.7
24	1	5	9	9	6	3	3	3	6	9	9	10	3	3	2	6	5.4
25	0	0	2	2	3	2	2	2	2	0	0	1	0	4	3	0	1.4
26	0	1	3	4	5	5	1	7	9	7	7	8	4	5	4	0	4.4
27	10	10	10	9	8	6	2	5	6	3	1	0	1	2	0	0	4.6
28	0	0	0	0	0	1	0	0	1	4	5	2	5	1	0	2	1.3
29	4	7	6	4	7	8	8	4	7	7	8	9	9	10	9	7	7.1
30	1	1	4	10	9	4	1	3	2	3	1	0	3	0	3	0	2.8
31	8	10	10	9	10	10	10	8	9	8	9	8	1	2	4	7	7.7
Means.	4.0	3.9	4.3	4.3	4.5	4.2	3.8	4.4	4.5	4.9	5.5	5.4	4.9	4.6	3.7	3.3	4.39

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

JANUARY.

Mean Batavia Time.	7^{h}30 A. M.	8	8^{h}30	9	9^{h}30	10	10^{h}30	11	11^{h}30	12	0^{h}30 P. M.	1	1^{h}30	2	2^{h}30	3	3^{h}30	4	4^{h}30
1	33.2	35.8	46.1	39.7	46.4	47.4	46.4	52.1	51.4	51.8	51.1	50.9	50.4	43.4	46.3	40.3	40.4	35.4	31.3
2	36.2	37.6	43.0	49.2	37.9	41.5	44.6	53.1	49.5	47.1	49.8	49.2	49.0	48.4	47.4	41.2	42.3	35.5	32.1
3	32.4	38.4	40.5	40.9	40.1	48.4	48.9	53.8	49.5	41.1	44.2	45.6	46.4	51.4	51.5	42.6	37.1	33.9	32.6
4	25.9	38.9	38.4	39.6	47.9	50.4	50.8	51.9	53.9	51.9	47.4	46.6	49.2	52.4	43.2	44.1	46.3	36.0	34.3
5	38.1	44.8	46.0	47.4	48.4	50.4	47.9	49.9	47.4	51.4	53.5	48.2	47.9	47.9	44.4	41.9	39.4	36.2	34.3
6	35.4	40.4	42.5	43.4	43.0	41.7	48.2	50.4	43.2	49.4	42.0	50.9	51.0	50.4	50.5	43.8	46.3	30.9	30.4
7	27.7	39.4	44.3	46.6	49.9	48.0	44.4	38.4	40.6	43.6	40.1	49.9	49.9	50.6	50.4	45.3	45.7	32.1	30.4
8	28.1	28.4	27.5	28.9	30.4	38.4	41.5	50.2	37.1	38.2	35.4	42.6	45.9	49.6	44.6	41.5	42.3	35.9	31.5
9	25.0	32.9	37.0	41.8	42.4	42.6	39.6	42.9	47.7	50.4	49.7	45.6	48.9	47.5	48.4	45.0	45.2	33.7	31.1
10	32.2	36.8	36.0	35.8	36.9	37.9	35.9	—	30.4	41.9	43.0	45.9	48.8	50.4	43.4	44.4	42.9	33.4	31.4
11	—	—	—	—	—	31.9	34.6	36.1	37.0	41.4	36.3	36.4	37.4	—	—	30.3	—	—	—
12	28.0	28.5	30.4	37.6	39.5	40.0	43.4	41.6	42.3	39.1	36.4	37.1	39.0	43.9	37.4	40.5	38.1	35.3	31.2
13	27.4	32.4	31.9	33.9	34.3	—	30.7	41.5	42.8	42.8	40.1	35.9	37.2	38.3	33.1	33.5	31.1	28.3	—
14	26.7	26.4	26.1	31.4	30.8	—	34.1	46.6	47.9	45.3	46.9	46.4	46.6	39.9	41.4	44.4	38.9	33.9	31.8
15	31.5	37.8	38.4	47.9	49.5	54.4	50.5	50.6	49.3	49.3	51.9	43.4	47.2	52.4	50.3	—	—	28.8	29.9
16	35.9	45.4	48.1	46.0	36.4	44.7	45.5	46.9	44.0	52.5	46.9	49.9	51.4	45.4	49.4	39.9	38.4	30.9	—
17	27.7	35.0	38.0	40.1	40.5	37.9	38.8	40.9	41.9	43.3	44.0	39.4	42.1	52.9	44.0	37.9	41.4	37.9	34.9
18	24.4	26.2	26.5	26.9	28.4	31.4	33.5	38.4	37.9	35.8	37.9	39.6	37.2	35.9	36.6	37.2	42.7	39.9	34.7
19	25.4	29.9	31.4	37.4	41.6	46.3	52.6	36.6	43.0	36.6	—	46.1	47.6	43.8	47.4	47.9	47.7	34.4	32.1
20	27.0	29.4	30.0	32.4	35.9	40.4	41.2	48.4	36.9	34.4	34.7	38.0	43.6	41.9	43.4	43.9	43.4	38.9	33.9
21	29.4	39.6	42.0	43.3	46.5	45.9	48.4	52.0	52.7	40.4	34.4	39.9	36.9	—	—	32.9	37.1	32.9	35.4
22	25.1	29.1	32.0	38.0	40.9	45.6	48.6	47.9	47.6	46.5	50.4	47.1	48.4	49.9	46.2	42.2	37.9	34.9	31.9
23	25.4	30.3	35.2	38.7	44.2	47.0	50.0	—	—	36.9	40.9	45.0	42.1	38.4	41.0	—	30.8	33.6	30.4
24	26.0	30.0	33.1	43.4	47.0	46.4	44.1	43.4	—	46.8	38.2	50.5	48.8	49.9	—	39.5	34.3	37.4	32.5
25	25.3	27.3	28.3	32.8	39.9	40.3	40.9	42.0	40.4	42.9	42.4	41.9	41.6	40.0	39.2	41.4	36.9	33.9	32.4
26	—	28.6	29.8	33.9	32.7	46.2	46.4	45.9	40.4	51.5	52.6	52.3	48.4	49.9	45.4	46.9	38.4	36.9	31.9
27	26.0	41.2	45.4	47.1	48.9	49.0	47.9	41.3	38.7	50.1	45.0	38.9	41.2	39.9	40.2	41.0	38.4	35.6	32.6
28	25.4	30.0	31.9	33.4	32.4	38.1	38.6	40.5	41.1	40.6	43.9	48.4	48.4	46.7	47.6	41.0	38.0	37.4	34.6
29	25.0	30.8	33.0	41.3	41.8	43.0	42.6	48.4	45.8	44.8	44.1	44.4	45.0	44.4	45.8	50.4	49.4	38.4	34.9
30	25.4	29.9	32.4	37.9	43.2	50.3	50.9	43.4	42.2	41.4	43.4	37.8	37.6	33.8	38.4	33.6	—	—	32.1
31	27.9	33.6	42.0	49.6	50.9	51.4	51.6	51.4	—	53.4	54.1	52.3	54.6	50.4	50.4	39.4	39.4	38.4	34.4
Means.	28.59	33.83	36.24	39.54	40.95	44.03	43.97	45.74	43.66	44.60	44.02	44.71	45.47	45.85	44.55	41.17	40.36	34.85	32.54

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE HEIGHT ABOVE THE GROUND = 7.8 METER

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	55	58	63	69	44	55	39	33	39	33	25	22	—
	2	30	28	28	25	25	22	66	50	28	28	22	25	—
	3	88	58	63	69	63	17	69	55	33	19	25	14	—
	4	55	22	28	47	33	33	36	36	33	25	17	17	—
	5	44	22	22	14	22	36	88	63	28	25	22	25	—
	6	41	36	41	19	14	17	55	50	39	25	11	14	—
	7	80	6	39	41	47	91	107	135	36	8	25	6	—
	8	127	69	63	69	129	165	P	P N	P N	44	39	P N	—
	9	P N	P N	— 11	28	17	66	124	143	88	30	50	36	—
	10	127	96	138	138	129	105	85	91	80	66	74	110	—
	11	94	102	143	66	P N	P N	P N	P N	P N	165	52	44	—
	12	P N	— 17	17	19	39	55	94	72	77	41	30	30	—
	13	110	129	72	22	50	66	121	96	88	52	30	25	—
	14	47	58	61	66	96	132	116	61	69	— 17	41	17	—
	15	102	113	85	72	77	74	69	50	39	17	19	14	—
	16	63	63	74	52	69	69	74	44	30	25	14	8	—
	17	30	25	19	19	11	19	63	61	36	33	33	25	—
	18	77	72	58	52	50	44	30	61	39	19	39	19	—
	19	91	52	58	66	63	63	110	88	143	25	19	17	—
	20	61	72	61	55	58	66	110	—	—	—	—	22	—
	21	66	63	55	44	17	44	39	39	44	25	25	14	—
	22	55	44	39	50	52	25	55	61	52	36	33	22	—
	23	55	33	33	25	28	39	66	61	61	11	28	30	—
	24	39	28	30	30	33	30	63	36	52	41	33	41	—
	25	66	41	50	28	25	28	39	50	47	39	39	30	—
	26	41	17	11	0	28	33	17	22	47	47	33	14	—
	27	47	39	41	28	30	30	25	44	50	30	28	N	—
	28	66	63	52	36	36	66	94	88	69	61	44	36	—
	29	96	121	143	96	105	80	102	69	77	39	28	22	—
	30	110	135	110	116	96	113	121	99	74	33	28	28	—
	31	50	36	44	44	47	41	50	61	47	19	17	11	—
Hourly Means.		69.4	56.1	55.8	48 5	51.1	57.5	73.3	65.0	55.2	34.8	30.8	25.4	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	30	14	19	N	P	P N	209	154	83	88	220	30	65.8
	2	17	19	25	14	22	47	102	124	127	88	77	83	46.8
	3	28	14	25	— 6	52	69	69	66	105	88	50	72	50.2
	4	17	11	14	19	19	41	63	96	74	77	77	58	39.5
	5	25	17	25	22	50	110	61	63	80	36	61	36	41.5
	6	8	17	22	P N	P N	P N	P N	66	69	102	99	107	42.6
	7	8	19	33	P	0	3	66	102	77	99	105	135	55.1
	8	P N	14	22	17	28	44	88	77	83	P N	220	47	74.7
	9	39	33	33	39	39	66	99	132	184	193	160	143	78.7
	10	44	33	41	44	61	118	154	149	149	149	132	118	101.3
	11	30	44	50	22	66	55	69	83	77	72	91	P N	73.6
	12	28	28	28	33	39	63	83	83	74	94	132	94	53.7
	13	50	39	55	55	P N	P N	P N	P N	P N	28	36	41	61.3
	14	22	25	33	72	52	61	168	94	135	124	102	121	73.2
	15	17	25	N	N	N	50	94	127	135	80	80	94	68.2
	16	11	8	N	P N	P N	39	55	61	58	50	39	52	45.6
	17	22	19	25	30	P N	P N	P N	11	96	83	52	69	37.2
	18	14	8	8	17	19	33	55	91	77	77	52	88	45.8
	19	8	14	17	14	36	55	61	160	83	66	66	83	60.8
	20	41	19	19	25	52	124	P N	85	66	66	77	61	60.0
	21	14	P N	P	44	47	47	69	83	80	69	74	55	48.0
	22	30	17	25	25	36	52	80	88	80	72	44	50	46.8
	23	22	66	P N	74	3	83	63	33	63	72	72	50	46.6
	24	P N	105	94	36	36	41	52	52	61	80	74	72	50.4
	25	25	19	19	17	19	44	66	72	55	63	36	33	39.6
	26	6	3	22	19	30	50	77	83	83	94	105	63	39.4
	27	39	36	36	28	30	36	74	63	55	52	85	74	43.5
	28	28	30	22	22	33	61	74	80	85	99	96	102	60.1
	29	19	19	19	19	28	66	127	121	171	127	118	96	79.5
	30	19	3	19	22	N	30	47	69	118	61	63	52	68.1
	31	8	N	17	19	22	36	52	61	63	77	83	118	44.5
Hourly Means.		23.1	24 8	28.4	28.5	34.1	56.4	84.3	87.6	91.5	84.2	89.6	76.6	55.50

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	5.42	4.91	4.91	4.98	4.91	4.99	5.61	6.26	6.48	6.28	5.65	5.24	—
	2	6.12	5.83	5.66	5.86	5.98	6.33	6.71	7.40	7.83	7.72	7.69	7.50	—
	3	7.54	7.66	7.44	7.66	7.57	7.57	7.87	8.49	8.81	8.99	8.48	7.85	—
	4	7.05	6.53	6.31	6.42	6.54	6.84	7.29	7.96	8.13	8.10	7.72	7.21	—
	5	7.81	7.10	7.12	6.73	6.66	7.33	7.90	8.46	8.89	9.10	8.57	7.93	—
	6	8.58	7.88	7.64	7.41	7.44	7.64	8.44	9.24	9.49	9.62	9.41	8.80	—
	7	9.23	8.69	8.37	7.92	7.97	8.20	8.79	9.74	9.98	10.12	10.02	9.35	—
	8	10.06	9.73	9.29	8.76	9.19	9.60	9.85	9.97	10.11	10.75	10.56	9.51	—
	9	9.62	8.93	8.95	8.80	8.51	9.27	9.74	10.20	10.22	10.21	9.49	9.07	—
	10	10.17	9.92	10.22	10.38	10.91	11.38	11.49	11.93	12.25	12.11	12.07	11.60	—
	11	11.38	11.04	10.96	11.18	11.43	11.41	12.19	12.97	12.93	12.67	12.42	12.02	—
	12	12.01	11.44	11.11	11.22	11.48	11.65	11.99	12.53	12.66	12.40	12.42	11.96	—
	13	11.66	11.13	10.93	10.97	11.24	11.54	11.84	12.48	12.58	12.63	12.27	11.78	—
	14	11.73	11.23	10.84	10.98	11.22	11.48	12.14	12.92	13.11	12.68	12.40	11.72	—
	15	10.98	10.81	10.83	11.14	11.29	11.56	12.06	12.76	13.06	12.58	12.11	11.56	—
	16	10.23	9.93	9.53	10.18	10.41	10.67	11.71	12.49	12.63	12.38	12.16	11.66	—
	17	11.58	10.99	10.84	11.24	11.33	11.67	12.46	12.85	12.83	12.97	12.50	11.94	—
	18	11.56	11.33	10.98	11.04	11.51	11.59	11.96	12.53	12.95	12.91	12.72	12.07	—
	19	11.26	10.76	10.52	10.37	10.38	10·58	10.81	11.33	11.72	11.40	11.03	10.33	—
	20	10.86	10.47	10.51	10.03	10.27	10.56	10.62	10.96	11.36	11.48	11.27	10.71	—
	21	11.43	11.14	11.31	10.88	10.74	10.74	11.62	12.37	12.79	12.61	12.21	11.65	—
	22	11.23	10.86	10.78	10.91	11.19	11.46	11.67	12.23	12.30	12.16	11.90	11.12	—
	23	10.61	10.41	10.22	10.07	10.12	10.68	11.28	11.82	12.22	11.76	11.53	10.82	—
	24	10.07	9.77	9.53	9.80	10.01	10.22	10.52	11.22	11.71	11.61	11.25	10.40	—
	25	10.41	10.28	9.62	9.79	9.94	10.06	10.63	10.91	10.96	10.80	10.46	9.66	—
	26	10.07	9.30	9.26	9.12	9.41	9.47	10.13	10.72	10.72	10.28	10.16	9.43	—
	27	9.86	9.36	8.92	8.80	9.03	9.35	9.76	10.11	10.15	9.96	9.88	9.19	—
	28	9.48	9.00	8.39	8.46	8.92	9.39	9.06	9.81	10.23	10.37	10.25	9.12	—
Hourly Means.		9.93	9.52	9.32	9.33	9.49	9.76	10.22	10.81	11.04	10.95	10.66	10.04	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	4.53	4.20	3.91	3.74	3.94	4.11	4.94	5.48	6.14	6.45	6.81	6.71	5.28
	2	6.83	6.18	5.81	5.70	5.81	6.43	7.11	8.00	8.27	8.46	8.28	7.93	6.89
	3	7.13	6.53	5.93	5.77	6.10	6.37	6.81	7.45	7.79	7.96	7.85	7.61	7.47
	4	6.28	5.94	5.34	5.12	5.25	5.79	6.66	7.24	7.95	8.08	8.36	7.93	6.92
	5	7.05	6.28	6.33	6.01	6.65	7.74	8.23	8.67	9.34	9.61	9.66	9.31	7.85
	6	7.93	7.49	7.14	7.19	7.39	7.71	8.15	8.91	9.62	10.25	10.48	10.32	8.51
	7	8.89	8.34	7.63	7.49	7.89	9.58	10.03	10.47	11.16	11.28	11.22	11.01	9.31
	8	8.68	8.10	7.70	7.65	7.61	8.00	8.51	9.46	10.01	10.43	10.43	10.25	9.34
	9	8.29	7.84	7.44	8.51	8.60	8.85	9.23	9.46	9.83	9.93	9.68	9.89	9.19
	10	11.08	10.66	10.09	9.88	10.23	10.62	11.03	11.37	11.88	11.77	11.93	11.79	11.12
	11	11.30	10.88	10.80	10.50	10.38	10.94	11.05	11.80	12.23	12.63	12.83	12.44	11.68
	12	11.43	11.23	10.46	10.20	10.29	10.69	11.08	11.68	11.96	12.37	12.34	12.20	11.62
	13	11.05	10.41	10.26	10.37	10.44	10.61	11.35	11.73	12.18	12.41	12.53	12.06	11.52
	14	11.15	10.44	9.90	9.65	10.10	10.76	11.05	11.63	11.81	11.99	12,20	11.61	11.45
	15	10.55	10.02	9.53	9.38	9.67	9.92	10.31	10.62	11.22	11.38	11.46	10.84	11.07
	16	10.73	9.84	9.49	9.21	9.54	10.07	10.30	11.06	11.43	12.10	12.18	11.89	10.91
	17	11.44	10.63	10.36	9.84	10.26	11.08	11.53	12.14	12.42	12.82	12.88	12.40	11.71
	18	11.05	10.38	9.81	9.50	9.76	10.42	11.01	11.56	12.10	12.91	12.72	12.32	11.53
	19	9.50	8.84	8.37	7.84	8.46	8.82	9.43	9.88	10.79	11.01	10.98	10.86	10.22
	20	10.39	9.14	8.58	8.21	8.63	9.87	10.55	11.33	11.88	12.15	12.21	12.01	10.59
	21	10.71	10.09	9.90	9.30	9.49	10.20	10.64	11.08	11.53	11.91	12.02	11.58	11.16
	22	10.55	10.02	9.70	9.44	9.21	9.78	9.84	10.67	11.33	11.27	11.55	11.16	10.93
	23	9.97	9.25	9.01	9.17	9.70	10.00	10.61	11.20	11.61	11.83	11.45	11.01	10.68
	24	9.74	8.69	8.24	8.30	8.72	9.04	9.60	9.56	10.31	11.01	11.01	10.73	10.04
	25	8.85	8.04	7.69	7.50	7.90	8.58	9.00	9.42	10.08	10.24	10.72	10.58	9.67
	26	8.59	7.99	7.71	7.52	8.24	8.40	8.99	9.52	10.10	10.47	10.36	10.39	9.43
	27	8.48	8.05	7.35	7.32	7.70	8.39	8.66	8.96	9.40	9.62	9.86	9.82	9.08
	28	8.58	8.44	8.08	7.57	7.64	7.71	8.15	8.57	8.87	9.17	9.40	9.82	8.94
Hourly Means.		9.31	8.71	8.31	8.14	8.41	8.95	9.42	9.96	10.47	10.77	10.84	10.59	9.79

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	75.2	75.3	74.4	73.6	73.0	72.6	73.0	77.0	81.0	83.3	85.2	87.1	—
	2	75.6	75.5	75.9	75.1	74.5	74.3	74.5	76.8	80.5	80.7	79 7	77.2	—
	3	74.5	74.5	73.5	73.5	72.9	72.9	73.0	73.8	74.5	76.1	78.5	80.3	—
	4	75.4	75.0	74.2	74.2	74.0	73.8	74.4	75 4	78.5	82.3	84.6	85.4	—
	5	77.4	76.9	76.2	76.0	75.5	75.4	75.8	78.3	80.7	80.9	82.4	83.8	—
	6	72.7	72.7	72.7	72.3	72.6	72.4	73.0	74.2	77.1	79.9	81.9	83.5	—
	7	75.3	74.9	74.0	73.1	72.1	71.8	72.6	75.1	78.2	81.2	83.6	85.5	—
	8	73.3	73.0	72.6	72.4	72.0	72.0	73.6	76.1	77.4	78.4	79.4	80.2	—
	9	75 8	75.4	75.6	75.3	75.1	75 0	74.7	77.4	79.2	82.0	84 2	85.6	—
	10	74.0	74 2	74.1	72.2	72.0	72.0	72.0	72.2	73 3	75.3	77.7	78.4	—
	11	74.0	73.5	73.5	73.0	73.1	72.9	73.3	74.2	77.4	79.3	80 6	81.8	—
	12	74.7	73.9	72.9	72 5	72.7	72 5	73 6	76.4	77 6	79.7	81.6	82.5	—
	13	76 0	74.8	74 5	74 5	74.5	74.6	75.5	75.7	76.4	77.2	78.1	75 0	—
	14	73.3	73.1	72.3	71.8	71.2	70.8	71.1	75.0	77 8	79.1	80.5	81.8	—
	15	73.3	73.4	73.4	74.0	74.3	73.5	73.9	74.1	74.0	75.0	76.9	78.4	—
	16	75.0	74.9	74.5	74.1	73.9	73.9	74.6	75.4	76.4	76.5	78.3	78.5	—
	17	74.4	74.4	73.8	73.8	74.0	74.1	75.0	76.8	79.0	80.2	81 6	81.6	—
	18	75.0	74.7	74.7	74.4	74.0	74.0	74.0	76.1	78.0	77.5	77.0	77.0	—
	19	73.0	73.0	73.0	72.8	73.2	73.1	73.5	76.5	78.2	79 9	81.5	82.1	—
	20	76.0	75.6	74.5	73.3	73.3	73 2	73.0	73.8	76 3	79.0	82.0	82.4	—
	21	73.4	72.8	72.7	72.5	72.3	71.7	72.8	74.6	79.2	81.1	83.5	83.6	—
	22	75.7	75.0	74.8	74.2	74.0	73.6	74.4	77.1	80.4	82.9	82.9	85.0	—
	23	77.3	77.0	76.5	76.3	75.9	75.7	76 2	78.9	77.0	78.5	81.4	83 9	—
	24	75.7	75.3	75.2	75.0	75.0	75.0	75.3	76.7	77.6	79.0	80.0	83.7	—
	25	75 4	75.0	74.2	74.0	73.7	73.4	73.4	75.4	77.0	79.6	81.8	84.0	—
	26	75.7	75.2	74.7	74 5	74.2	74.0	74.4	76.5	79.2	81.3	83.1	85.1	—
	27	76.9	76.1	75.7	75.1	74.9	74.5	75.1	77.6	79.5	82 7	84.3	83.8	—
	28	73.0	72.5	72.1	72.3	72 5	72.8	73.2	75.1	76 9	78.2	80.4	82.0	—
Hourly Means.		74.89	74.56	74.15	73.78	73.59	73.41	73.89	75.79	77.80	79.53	81.47	82.11	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	86.5	85.1	86.0	85.0	84.3	82.3	81.4	80.0	79.2	78.1	77.0	76.2	79.66
	2	78.3	79.2	80.0	81.0	80.3	78.0	77.2	75.1	74.4	74.3	74.5	74.3	76 95
	3	82.0	82.9	82.4	80.9	79.9	79.6	79.2	78.6	78.2	77.5	76.9	76.2	77.18
	4	85.9	83.1	84.0	84.8	83.8	82 3	81.5	80.5	79.6	78.8	78.2	77.9	79.48
	5	84.0	81.0	76.7	77.5	78.5	75.0	74.3	74.1	73.9	73 9	73.5	73 0	77.28
	6	85.0	84.8	82.4	79.8	79.7	78 9	78.0	77.4	76.4	76.0	75.8	75.5	77.28
	7	85.6	85.2	85.4	85.6	83.8	76.6	75.4	75.0	75.0	74.2	73 8	73.4	77.77
	8	81.4	80.0	80.4	80.6	80.0	79.3	78.0	77 5	77.2	77.0	76.8	76 5	76 88
	9	84.1	83.5	83.4	78.5	74.0	74.5	74.6	74.2	74.0	73.6	73.6	73.6	77.37
	10	81.0	82.0	82.2	81.7	81.4	80.1	78.7	75.1	75 1	74.9	74.8	74 8	76.22
	11	82.0	83.0	82.0	82.4	81.6	80.6	78.7	77.1	76.2	75 7	75.0	75.0	77.33
	12	83.6	83 6	83.3	82.8	81.7	80.5	79.6	78.9	78.9	78.3	77.5	77.0	78 18
	13	77.2	78.8	78.0	77.8	77.4	76.6	75 7	74.8	74.2	73.6	73.5	73.3	75.74
	14	82.0	82.4	82.1	82.0	81.6	80.2	79.4	78.7	78.2	77.4	74.4	73.2	77.06
	15	81.1	81.7	81.0	80.6	80.8	80.0	78.1	77.1	76.5	76.0	75.5	75 4	76.58
	16	79.1	80.5	80.9	81.1	80.9	79.3	78.0	76.7	75.7	75.5	75 0	74.6	76.80
	17	81.8	81.8	82.0	81.2	81.0	80.0	78.4	77.6	76.9	76.3	76.1	75 5	77.80
	18	79.7	81.8	82.4	82.2	81.6	80.3	79.3	78 3	77.8	74.4	73.0	73.0	77.09
	19	83.0	83.2	81.8	81.5	81.7	80.7	79.0	78.6	77.6	77.6	76 6	76 2	77.80
	20	80.0	82.6	83.0	82 4	81.8	80.5	79.8	79.4	75.9	74 6	73.3	73 3	77.46
	21	85.2	85.1	84.4	84 0	83 2	82.1	80.5	79.0	77.7	76.9	76.5	76.0	78 37
	22	85 6	85.5	84.7	83 7	83.1	82.4	81.2	80.0	79.0	78.6	78.2	77.8	79.58
	23	83 2	83.8	81.8	82.1	79.8	77.3	76.7	76.5	76.4	76.4	76.1	75 9	78.36
	24	85 3	85.2	84.9	82.2	81.1	80.3	79.2	78.0	77.3	76.7	76 4	75.9	78.58
	25	85.5	85.0	84.4	84.0	82 5	81.5	80.4	78.4	77.3	76.8	76 4	76.2	78.55
	26	85.0	83 0	81.6	82.0	81.0	80.5	79.7	78.6	78.0	77.4	77.0	77 0	78.70
	27	84.2	85.4	85.3	83.0	82 5	80.8	79.3	78.6	78 2	77.4	77.2	77 0	79.38
	28	81.4	78 0	76.5	76 5	77.1	76.9	76.5	76.3	76.2	75.6	75.0	75.0	75,92
Hourly Means.		82 81	82.76	82.25	81.68	80.93	79.54	78.49	77.50	76.82	76.20	75.63	75.31	77.69

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	905	872	888	911	894	893	894	842	776	733	634	622	—
	2	931	914	915	939	939	939	930	875	819	797	855	941	—
	3	939	939	956	956	955	955	964	965	973	923	862	811	—
	4	947	956	956	956	956	965	956	931	854	723	696	647	—
	5	941	924	931	923	922	922	915	869	812	813	779	713	—
	6	964	973	937	910	910	919	911	904	827	803	764	719	—
	7	806	749	787	835	866	883	867	831	776	665	686	591	—
	8	894	911	919	919	919	928	929	809	758	761	749	737	—
	9	923	931	931	947	939	947	939	875	832	758	682	647	—
	10	965	982	965	946	955	964	955	973	965	905	876	869	—
	11	938	956	946	964	973	973	973	965	876	809	710	714	—
	12	930	929	920	919	929	937	938	874	852	765	699	674	—
	13	931	922	947	956	956	956	966	923	932	892	861	947	—
	14	973	964	964	964	963	954	935	939	860	794	760	672	—
	15	955	956	965	956	947	956	956	956	956	939	866	869	—
	16	947	956	956	956	956	956	965	957	932	899	885	846	—
	17	956	956	956	956	965	965	966	924	839	804	770	763	—
	18	947	956	956	956	956	956	947	906	885	900	900	924	—
	19	955	973	964	973	965	973	956	907	853	818	784	751	—
	20	957	948	904	937	946	955	964	965	890	809	700	716	—
	21	920	937	955	955	946	946	937	888	772	719	686	706	—
	22	931	947	947	947	956	947	930	907	804	739	704	659	—
	23	941	949	957	957	948	957	932	863	916	901	799	749	—
	24	948	957	956	965	965	965	966	940	908	870	803	706	—
	25	939	930	947	956	965	955	955	957	883	825	742	667	—
	26	931	947	947	947	956	956	956	906	848	770	747	679	—
	27	924	940	948	947	947	947	939	876	825	725	669	735	—
	28	955	955	964	955	955	955	973	966	932	901	842	778	—
	Hourly Means.	935	937	939	943	945	947	943	910	863	813	768	745	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	670	697	688	691	708	758	791	833	823	853	883	915	799
	2	877	878	841	820	849	908	932	947	947	956	956	965	903
	3	743	703	759	790	802	840	894	901	917	916	940	948	890
	4	713	697	680	717	755	822	858	865	848	869	917	848	839
	5	742	776	932	925	926	930	939	947	956	956	947	955	891
	6	690	670	688	706	677	717	789	795	817	824	824	872	817
	7	566	626	589	566	653	825	872	879	863	887	895	903	769
	8	726	722	797	732	664	705	782	805	834	866	883	906	819
	9	687	678	698	730	921	939	939	965	938	956	965	973	864
	10	755	694	694	707	719	788	862	922	947	947	956	956	886
	11	707	650	672	673	692	753	837	883	906	914	930	930	848
	12	620	627	691	683	713	767	832	869	877	901	916	940	825
	13	916	808	868	908	933	966	957	965	965	965	965	965	932
	14	721	695	694	707	727	796	847	877	908	916	896	955	853
	15	791	742	733	732	710	781	892	916	924	940	948	957	889
	16	870	797	775	769	754	801	860	891	905	889	913	939	891
	17	757	742	757	755	739	795	868	900	916	931	931	939	869
	18	887	757	737	709	756	825	870	901	907	904	929	946	888
	19	712	719	771	756	763	789	869	885	925	892	923	931	867
	20	803	731	725	744	728	804	855	886	872	921	920	929	859
	21	639	626	642	654	697	742	796	862	907	916	932	948	822
	22	641	660	682	719	753	772	813	864	902	918	933	933	834
	23	775	706	792	800	840	916	924	932	932	940	948	957	889
	24	719	672	703	764	755	766	838	876	891	891	921	923	861
	25	679	724	708	715	751	784	796	814	867	891	915	923	845
	26	704	739	741	742	805	796	833	853	868	900	924	932	851
	27	722	640	678	752	772	826	878	877	893	941	949	949	846
	28	784	876	932	940	916	940	932	932	940	915	947	947	922
	Hourly Means.	736	716	738	747	767	816	863	887	900	911	925	935	860

DIRECTION OF THE WIND.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	C	W	C	C	C	C	C	W	NW	WNW	WNW	WNW
	2	C	C	C	C	C	C	C	W	WNW	NNE	N	N
	3	ENE	NNW	C	C	NNW	C	C	C	NNW	NNW	W	W
	4	C	C	C	C	C	C	C	C	WNW	SW	W	W
	5	C	C	C	C	C	C	C	NW	NW	NW	NW	NW
	6	SW	SW	SW	SW	SW	SW	C	C	SW	W	W	W
	7	WSW	SW	C	SW	SW	C	C	SW	WSW	NW	WSW	W
	8	C	WSW	C	C	WSW	WSW	W	WNW	W	WNW	WNW	W
	9	C	C	C	C	C	C	NW	WNW	NW	NW	NW	NW
	10	C	C	WNW	WNW	W	SW	SW	WSW	SW	SSW	WSW	WNW
	11	NW	NW	NW	NE	N	N	N	C	N	NW	NNW	NNW
	12	N	N	N	N	NW	C	NW	WNW	WNW	WNW	NW	NW
	13	NNE	NNE	NNE	NNE	C	NNE	NNE	NW	WNW	NW	WNW	N
	14	NW	NW	C	C	NW	NW	C	NW	NW	NNW	N	NNW
	15	NW	C	NW	N	NNE	NNW	C	N	N	NNW	NW	NW
	16	N	N	N	C	NNW	C	C	NNW	NNW	NNW	NW	NNW
	17	C	C	C	NW	C	C	C	NW	NW	NW	WNW	NW
	18	N	N	C	C	N	NNW	NNW	NNW	NNW	N	N	NNE
	19	C	C	C	C	C	C	C	W	NNE	NNW	NNW	NW
	20	N	NNW	NNW	NNW	NNW	NNW	C	NNE	NNE	NW	NW	NW
	21	C	C	SSW	SSW	SSW	C	C	C	NW	N	SSW	NE
	22	C	C	C	C	C	C	N	N	N	NE	N	N
	23	C	C	N	C	NNE	C	C	NNE	NW	NW	N	N
	24	C	C	C	C	C	C	C	WSW	WSW	WSW	NNW	NW
	25	C	SSW	SW	SW	C	C	SW	SW	W	W	NNW	NW
	26	C	C	NW	C	C	C	NW	WNW	W	WSW	WNW	WNW
	27	C	WNW	WSW	C	C	C	WSW	SW	ESE	E	NE	ENE
	28	S	S	SSW	WSW	C	C	WSW	C	WSW	SW	WNW	WNW

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12
FEBRUARY.	1	NNW	NNW	NNW	NNW	NW	NNW	NNW	NNW	NW	C	C	C
	2	N	N	N	N	N	NNE	NNE	NE	ENE	ENE	ENE	ENE
	3	W	NW	NNW	N	NNW	C	C	C	C	C	C	C
	4	NNW	NNW	NW	NW	NW	N	C	C	C	C	C	C
	5	NNW	W	NW	NW	NW	WNW	W	WNW	WNW	W	W	WSW
	6	W	W	WSW	SW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW
	7	W	WNW	W	W	WNW	WNW	W	W	W	WSW	WSW	WSW
	8	W	WNW	WNW	WNW	W	WNW	WNW	WNW	NW	C	NW	C
	9	NNW	NNW	NW	SW	SSW	SW	C	SW	C	C	SW	C
	10	NNW	N	N	NNW	N	N	N	NW	C	NW	NW	NW
	11	NNW	NNW	NNW	N	N	N	C	C	C	C	C	N
	12	N	NNW	N	NNE	N	NNE	C	C	C	C	NNE	NNE
	13	N	NNW	N	N	N	N	WSW	WSW	WSW	WSW	WSW	WSW
	14	NNW	NNE	N	N	N	N	C	C	N	N	NW	NW
	15	NW	NNW	N	N	N	N	C	C	C	C	C	C
	16	NW	N	NW	N	NNW	NNW	NNW	C	C	C	C	C
	17	NW	NNW	NW	NNW	N	N	C	C	C	C	C	C
	18	NNE	N	NNW	NW	N	N	C	C	N	WNW	WNW	C
	19	NNW	NNW	NNW	N	N	N	N	C	C	N	C	N
	20	NE	NNE	N	NNE	NNW	N	C	C	WNW	WNW	SSW	C
	21	N	N	N	N	N	N	C	C	C	C	C	C
	22	NE	N	NNE	N	N	N	C	C	C	C	N	C
	23	N	NNW	NNW	N	SSW	SSW	SSW	SSW	C	C	SSW	WSW
	24	WNW	NW	NW	SW	SSW	C	C	C	C	C	C	C
	25	NW	N	N	NW	NW	NW	NW	C	NW	C	C	C
	26	NW	N	NNW	N	W	W	WNW	C	C	C	C	C
	27	N	N	NNE	WNW	WNW	WNW	WSW	SSW	SE	C	C	SE
	28	SSE	S	S	S	S	S	SSE	SSE	SSE	E	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	5.6	8.0	9.7	11.3	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	7.2	6.4	3.2	—
	3	1.6	3.2	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.6	4.0	5.6	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	5.6	6.4	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	5.6	10.5	10.5	11.3	—
	6	0.8	0.8	0.8	0.8	1.6	0.8	0.0	0.0	0.8	3.2	4.8	5.6	—
	7	1.6	0.8	0.0	0.8	0.8	0.0	0.0	0.8	3.2	5.6	5.6	6.4	—
	8	0.0	1.6	0.0	0.0	0.8	1.6	3.2	8.0	7.2	11.3	13.7	10.5	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.0	6.4	11.3	14.5	—
	10	0.0	0.0	6.4	4.8	1.6	4.8	2.4	3.2	3.2	1.6	1.6	3.2	—
	11	1.6	1.6	1.6	3.2	0.8	0.8	0.8	0.0	4.0	9.7	10.5	11.3	—
	12	0.8	1.6	3.2	1.6	0.8	0.0	0.8	2.4	3.2	8.9	11.3	9.7	—
	13	0.8	1.6	1.6	0.8	0.0	0.8	4.8	6.4	3.2	6.4	8.9	1.6	—
	14	0.8	0.8	0.0	0.0	0.8	1.6	0.0	3.2	4.8	8.9	11.3	15.3	—
	15	0,8	0.0	0.8	4.0	4.8	0.8	0.0	3.2	3.2	2.4	1.6	1.6	—
	16	0.8	1.6	1.6	0.0	0.8	0.0	0.0	0.8	0.8	4.8	6.4	4.8	—
	17	0.0	0.0	0.0	1.6	0.0	0.0	0.0	1.6	6.4	6.4	8.0	8.9	—
	18	0.8	0.8	0.0	0.0	2.4	1.6	0.8	0.8	1.6	4.8	1.6	0.8	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	1.6	2.4	8.9	8.9	—
	20	2.4	1.6	0.8	1.6	0.8	1.6	0.0	1.6	3.2	4.0	5.6	11.3	—
	21	0.0	0.0	0.8	1.6	1.6	0.0	0.0	0.0	5.6	4.8	4.0	4.8	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	3.2	4.0	6.4	8.0	—
	23	0.0	0.0	0.8	0.0	0.8	0.0	0.0	2.4	1.6	0.8	5.6	12.1	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	1.6	7.2	9.7	—
	25	0.0	1.6	0.8	0.8	0.0	0.0	0.8	1.6	0.8	3.2	5.6	8.0	—
	26	0.0	0.0	0.8	0.0	0.0	0.0	0.8	3.2	3.2	2.4	3.2	5.6	—
	27	0.0	1.6	0.8	0.0	0.0	0.0	0.8	2.4	6.4	8.0	6.4	8.9	—
	28	4.8	4.8	4.8	0.8	0.0	0.0	0.8	0.0	1.6	1.6	3.2	6.4	—
Hourly Means.		0.63	0.89	0.91	0.80	0.69	0.51	0.63	1.89	3.40	5.19	6.75	7.70	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	12.9	16.1	11.3	10.5	7.2	6.4	1.6	1.6	0.8	0.0	0.0	0.0	4.36
	2	2.4	1.6	4.0	3.2	3.2	4.8	1.6	5.6	0.8	0.8	0.8	0.8	2.07
	3	10.5	10.5	8.0	6.4	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.31
	4	5.6	11.3	6.4	5.6	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.20
	5	14.5	9.7	3.2	0.8	3.2	4.8	2.4	0.8	1.6	1.6	1.6	3.2	3.62
	6	7.2	8.0	8.9	6.4	3.2	0.8	1.6	0.8	0.8	0.8	0.8	3.2	2.60
	7	8.0	10.5	9.7	10.5	11.3	8.9	3.2	2.4	4.8	3.2	0.8	0.8	4.15
	8	9.7	12.1	11.3	8.9	7.2	4.8	4.0	4.8	1.6	0.0	0.8	0.0	5.13
	9	16.9	18.5	16.1	8.0	4.8	1.6	0.0	0.8	0.0	0.0	0.8	0.0	4.65
	10	12.1	10.5	8.0	7.2	4.8	1.6	3.2	1.6	0.0	0.8	1.6	1.6	3.58
	11	10.5	12.1	11.3	6.4	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	3.86
	12	11.3	9.7	11.3	10.5	6.4	3.2	0.0	0.0	0.0	0.0	0.8	1.6	4.13
	13	4.8	9.7	3.2	0.8	0.8	1.6	3.2	0.8	1.6	1.6	1.6	1.6	2.84
	14	12.1	14.5	14.5	11.3	6.4	1.6	0.0	0.0	1.6	1.6	4.8	1.6	4.90
	15	8.0	11.3	9.7	6.4	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.71
	16	7.2	8.0	9.7	10.5	8.9	3.2	0.8	0.0	0.0	0.0	0.0	0.0	2.95
	17	9.7	7.2	9.7	8.0	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	3.05
	18	6.4	8.9	8.9	7.2	4.0	0.8	0.0	0.0	0.8	4.8	0.8	0.0	2.44
	19	12.1	12.9	12.9	10.5	6.4	1.6	0.8	0.0	0.0	0.8	0.0	0.8	3.46
	20	10.5	8.0	9.7	8.0	4.8	3.2	0.0	0.0	4.8	4.8	4.8	0.0	3.88
	21	6.4	11.3	11.3	8.0	7.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	2.94
	22	9.7	12.9	12.9	9.7	9.7	3.2	0.0	0.0	0.0	0.0	0.8	0.0	3.42
	23	12.9	11.3	6.4	1.6	4.0	3.2	1.6	0.8	0.0	0.0	1.6	0.8	2.85
	24	7.2	8.0	6.4	5.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.07
	25	10.5	11.3	9.7	7.2	5.6	1.6	1.6	0.0	0.8	0.0	0.0	0.0	2.98
	26	9.7	11.3	9.7	7.2	2.4	0.8	1.6	0.0	0.0	0.0	0.0	0.0	2.58
	27	9.7	9.7	8.0	2.4	0.8	1.6	1.6	2.4	0.8	0.0	0.0	9.7	3.42
	28	4.0	3.2	0.8	0.8	0.8	0.8	3.2	3.2	3.2	1.6	0.0	0.0	2.10
Hourly Means.		9.38	10.36	9.04	6.77	4.84	2.38	1.14	0.91	0.86	0.80	0.80	0.95	3.26

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CLOUDS.

CLEAR = O. — OVERCAST = O.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	3	2	2	2	5	3	8	4	6	5	4	8	—
	2	5	6	8	7	7	8	10	8	9	10	10	10	—
	3	10	10	10	10	10	10	10	10	10	10	9	8	—
	4	3	3	7	10	8	10	10	10	6	6	6	5	—
	5	5	3	4	7	9	9	10	7	7	10	9	10	—
	6	10	10	9	9	10	10	10	9	9	10	10	10	—
	7	9	8	8	9	5	3	2	2	3	3	8	9	—
	8	9	7	4	3	2	6	9	7	8	10	8	9	—
	9	6	8	10	10	10	10	8	6	5	3	2	6	—
	10	10	10	10	10	10	10	10	10	10	10	10	10	—
	11	4	5	9	10	10	10	10	9	9	8	7	8	—
	12	4	3	5	4	8	8	9	8	10	9	9	6	—
	13	10	10	7	7	10	10	9	9	10	9	10	10	—
	14	4	3	6	5	3	5	4	2	2	6	7	7	—
	15	9	9	10	10	10	9	10	10	10	10	10	10	—
	16	3	2	2	7	9	10	10	10	10	10	10	10	—
	17	7	6	2	3	9	10	10	9	10	9	9	10	—
	18	6	5	4	4	10	8	9	8	10	10	10	9	—
	19	10	10	8	10	10	10	7	6	10	6	10	7	—
	20	10	9	10	10	10	10	10	10	9	3	6	10	—
	21	9	9	9	6	3	5	7	8	7	7	4	7	—
	22	2	2	3	3	2	4	2	1	3	6	4	1	—
	23	4	5	7	9	9	9	7	8	10	6	7	6	—
	24	10	10	10	10	10	10	10	10	10	10	10	7	—
	25	9	10	9	10	7	8	5	10	10	6	4	6	—
	26	3	2	4	3	3	3	8	6	7	8	7	7	—
	27	3	5	4	4	3	3	1	4	5	3	6	8	—
	28	10	10	10	10	10	10	8	8	9	8	9	8	—
	Hourly Means.	6.7	6.5	6.8	7.2	7.6	7.9	8.0	7.5	8.0	7.5	7.7	7.9	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	4	4	4	3	4	4	6	6	5	4	3	6	4.4
	2	10	10	10	9	10	10	10	10	10	10	10	8	9.0
	3	8	9	9	10	10	10	10	10	8	6	4	2	8.9
	4	8	8	7	6	9	9	5	5	10	8	10	8	7.4
	5	9	10	10	10	10	10	10	10	10	10	10	10	8.7
	6	6	9	10	10	10	10	10	10	10	10	10	10	9.6
	7	10	9	4	5	9	10	10	10	10	10	10	10	7.3
	8	9	8	9	9	10	10	9	10	10	10	10	8	8.1
	9	9	8	8	10	10	10	9	3	5	6	10	10	7.6
	10	10	8	7	7	5	6	7	10	10	10	9	9	9.1
	11	5	3	3	1	1	0	2	1	1	1	4	5	5.3
	12	3	3	4	4	5	6	4	8	8	9	9	9	6.5
	13	10	9	10	10	10	10	8	4	3	2	3	2	8.0
	14	6	7	4	6	6	6	9	9	9	5	10	10	5.9
	15	8	9	8	6	5	4	8	3	2	2	3	4	7.5
	16	10	10	9	7	7	3	6	4	4	3	6	6	7.0
	17	9	8	8	8	6	7	7	7	5	5	4	4	7.2
	18	9	8	7	4	8	6	8	8	9	10	10	10	7.9
	19	3	3	5	4	3	1	4	4	8	4	2	8	6.4
	20	6	5	4	2	1	10	3	9	10	9	9	9	7.7
	21	4	3	1	1	2	1	1	1	1	4	7	6	4.7
	22	2	2	2	3	3	3	1	2	3	8	9	3	3.1
	23	8	6	10	10	10	10	10	10	10	9	10	10	8.3
	24	4	4	7	9	9	8	3	5	3	6	2	3	7.5
	25	6	5	5	6	6	10	9	9	8	7	7	9	7.5
	26	6	6	7	9	10	10	10	9	9	9	6	9	6.7
	27	4	3	5	7	9	10	10	10	10	10	8	10	6.0
	28	10	10	10	10	10	10	9	9	10	10	10	10	9.5
	Hourly Means.	7.0	6.7	6.7	6.6	7.1	7.3	7.1	7.0	7.2	7.0	7.3	7.4	7.24

DURATION OF SUNSHINE.

FEBRUARY.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means
1	10	10	10	9	9	10	10	7	8	6	7	8	9	10	10	10	8.9
2	9	8	6	1	0	0	0	0	0	0	0	0	0	0	0	0	1.5
3	0	0	0	0	1	4	4	6	8	6	7	7	3	1	0	0	2.9
4	0	4	6	5	9	8	10	6	6	7	7	4	3	1	6	6	5.5
5	5	6	6	1	2	4	3	4	3	5	3	1	0	0	0	0	2.7
6	1	5	1	4	0	2	5	4	6	7	6	3	0	0	0	0	2.8
7	3	6	3	9	7	2	1	0	0	1	0	0	2	4	10	10	3.6
8	3	1	1	1	1	2	3	1	4	3	2	2	1	2	2	1	1.9
9	10	3	9	7	9	9	10	9	4	5	3	6	10	10	7	2	7.1
10	0	0	0	1	3	3	1	2	3	5	7	7	8	9	9	4	3.9
11	8	9	5	6	6	9	9	9	7	6	7	10	10	9	10	10	8.1
12	6	0	1	3	4	4	5	6	8	10	10	10	10	10	10	10	6.7
13	0	0	1	1	1	2	0	0	0	0	0	1	1	0	0	0	0.4
14	7	10	7	5	8	7	2	9	10	8	8	8	7	9	9	7	7.6
15	0	0	0	0	2	1	0	1	3	7	8	4	9	9	6	6	3.5
16	0	0	0	0	0	1	0	1	2	1	3	1	6	6	7	8	2.3
17	7	7	4	8	7	5	6	2	0	1	3	1	4	3	4	5	4.2
18	8	3	1	0	0	0	0	0	0	2	6	7	8	8	8	9	3.8
19	8	2	3	8	8	6	3	2	7	10	10	10	9	8	7	9	6.9
20	5	8	6	9	10	10	5	5	4	6	9	10	10	10	10	10	7.9
21	5	9	9	9	9	10	10	4	8	6	10	6	10	10	10	10	8.4
22	10	9	8	9	5	6	8	10	10	10	10	10	10	10	10	9	9.0
23	6	0	0	3	6	7	8	8	9	8	7	8	3	0	0	0	4.6
24	0	0	0	0	0	1	6	8	9	9	7	6	9	9	3	0	4.2
25	0	0	6	6	8	8	8	8	7	6	6	6	9	9	9	6	6.4
26	7	9	10	9	3	2	7	10	10	7	8	8	2	0	1	1	5.9
27	9	6	8	10	10	10	7	6	8	7	9	10	10	10	5	0	7.8
28	7	1	1	0	2	3	2	2	3	1	0	0	0	0	0	0	1.4
Hourly Means.	4.8	4.1	4.0	4.4	4.6	4.9	4.8	4.6	5.3	5.4	5.8	5.5	5.8	5.6	5.5	4.8	4.99

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

FEBRUARY.

Mean Batavia Time.	7^{h}30 A. M.	8	8^{h}30	9	9^{h}30	10	10^{h}30	11	11^{h}30	12	0^{h}30 P. M.	1	1^{h}30	2	2^{h}30	3	3^{h}30	4	4^{h}30
1	33.6	43.1	46.3	49.1	49.3	50.6	50.6	53 6	53.2	50.1	52.1	47.4	49.4	48.4	47.1	48.6	46.5	41.4	34.2
2	27.4	37.8	41.6	45.1	47.4	38.4	36.3	31.0	—	27.2	28.6	31.0	31.8	31.4	32.6	34.6	35.8	34.7	31.6
3	—	—	24.8	27 3	—	35.4	39.9	48.4	42.6	46.3	49.2	48.4	47.0	49.4	43.9	41.2	37.9	32.9	31.1
4	24.5	27.4	31.4	47.4	51.4	50.5	52.9	51.9	52.4	50.4	45.9	44.2	54.0	45.9	38.4	45.5	47.9	37.8	34.9
5	28.4	36.3	37.0	42.3	44.4	35.5	45 4	47.1	48.9	48.4	48.9	43.4	42.8	33.4	—	—	—	26.4	28.3
6	25.4	31.5	33.4	39.6	37.2	41.1	39.4	45.3	49.6	46.9	49.9	49.7	45.7	44.4	37.9	34.9	33.4	30.4	29.6
7	26.9	34 8	34.2	44.0	45.4	53.4	50.4	44.7	46.6	46.0	43.4	45.6	45.1	43.9	45.7	50.9	50.4	44.8	35 3
8	25.9	35.9	36.9	35.8	38.2	36.6	40.4	43.9	43.6	41.1	47.1	43.9	42.9	38.8	38.6	40.4	37.4	34.6	32.9
9	27.9	45 9	50.0	46.4	48.9	49.3	50.6	51.9	52.5	50.4	44.9	42.4	40.6	48.9	48 9	46.0	42.9	—	—
10	22.6	—	—	29.2	28.3	41.1	38.9	39.9	—	42.0	43.9	47.9	46.9	50.4	49.3	51.4	46.5	38.4	33.1
11	25.2	28.3	43.4	44.2	39.4	39.6	45.4	46.4	51.0	45.6	41.1	44.6	43.9	49.9	49.1	47.9	47.0	46.1	32.9
12	32.0	38.7	37.6	32.2	35.4	39.0	40.4	47.1	45.4	44.7	48.4	49.9	49.6	50.2	50.1	48.9	47.8	45.8	34.6
13	27.4	29.0	29.6	27.3	—	34 4	36 0	—	—	—	—	30.8	30.4	36.9	31.4	—	26.0	26.7	26.2
14	34 4	43.4	38 9	48.4	44.4	41.4	48.4	40.4	38.6	47.4	50.6	45.9	48.0	47.9	47.4	46.2	47.3	41.3	34.1
15	—	—	—	—	—	33.4	39.9	37.3	37.6	41.4	44.3	52.4	50.5	44.9	51.0	41.3	45.4	34.9	37.4
16	24.4	25.6	26.4	28.3	30.6	—	32.4	32.7	—	39.2	—	41.6	41.4	43.2	45.5	41.4	46.2	45.9	35.4
17	28.2	37.2	41.4	40.6	39.0	43.5	43.9	43.8	39.9	37.9	38.0	41.6	43.4	41.9	41.6	40.1	40.1	37.0	33.0
18	27.6	41.0	44.9	33.9	35.4	29.9	—	28.9	—	27.7	—	42.6	47.6	47.9	47.1	46.4	44.9	44.9	34.2
19	34.4	42.4	46.1	39.3	38.9	46.9	50.9	44.4	—	51.3	51.5	51.9	51.4	49.3	49.4	41.6	43.9	37.2	32.8
20	23.4	28.2	32.9	42.9	44.0	46.9	50.4	52.9	48.4	43.1	44.2	51.9	50.6	52.4	51.4	49.5	49.4	46.4	38.3
21	26.4	30.9	45.2	47.7	48.2	47.3	50.4	51.6	53 4	42.3	49.6	50.1	52.9	47.1	51.1	49.5	49 0	46.9	35.4
22	37.6	43.9	45.6	42 9	51.3	42.9	46.9	44.0	52.0	52.0	52.2	51.2	51.5	51.3	51.1	49 6	49.4	38.6	33.3
23	37.9	40.9	44.1	—	—	33.4	42.9	40.9	53.6	51.4	50.4	46.6	49.2	51.1	36.6	34.5	35.6	32.4	31.3
24	27.6	30.9	30.4	32.8	33.1	34.9	37.2	38.9	53.4	50.9	52.4	53.2	50.9	51.9	53.9	40.9	39.6	29.9	29.9
25	26.9	33.9	31.1	35.4	45.4	47.0	48.2	49.4	49.8	52.6	48.9	51.4	47.7	49.9	50.5	48.9	47.9	37.9	37.9
26	33.9	40.6	43.2	48.1	49.3	48.3	45.4	48.4	49.2	54.1	54.4	49.9	48.2	40.4	33.6	31.9	34.4	34.9	33.5
27	34.8	35.8	42.6	41.6	47.1	51.9	52.4	53 1	46.2	45.0	47.0	43.1	50.9	53.1	53.8	53.0	37.4	31.2	30.3
28	25.9	35.9	33.4	34.4	33.9	36.9	39.4	44.2	44.4	44.9	46.8	31.0	26.9	—	—	—	—	26.4	26.5
Means.	28.87	35.97	38.17	39.47	41.91	41.83	44.27	44.52	47.83	45.20	46.95	45.37	45.76	46.08	45.27	44.20	42.69	37.25	32.89

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	107	94	85	72	58	63	138	80	39	22	14	14	—
	2	168	173	94	107	88	105	165	118	83	50	N	N	—
	3	121	N	N	N	— 33	N	— 63	33	33	72	50	28	—
	4	127	—	—	—	—	—	69	39	63	25	25	25	—
	5	110	110	94	74	63	63	107	61	47	17	28	22	—
	6	25	36	50	55	44	55	107	107	77	36	19	17	—
	7	44	41	50	58	50	47	105	66	63	33	28	17	—
	8	52	47	52	91	66	50	44	36	36	19	14	6	—
	9	85	77	66	47	41	77	72	41	39	19	11	— 6	—
	10	P N	P N	P N	P N	P N	P N	94	P N	P N	80	66	25	—
	11	74	72	220	N	178	52	99	77	88	33	25	22	—
	12	55	44	28	28	19	19	41	91	39	25	19	19	—
	13	— 3	—	—	—	—	—	—	14	P N	74	25	P N	—
	14	66	55	55	55	47	50	63	61	36	17	19	11	—
	15	99	154	181	P N	P N	— 47	113	N	138	30	25	14	—
	16	107	80	83	105	99	96	102	99	52	N	11	11	—
	17	105	61	58	72	63	91	25	— 8	28	19	22	28	—
	18	85	77	52	77	193	17	— 30	44	44	P N	P N	P N	—
	19	P N	25	22	50	74	19	39	124	50	61	58	14	—
	20	30	19	P N	P N	P N	P N	36	61	66	30	19	30	—
	21	8	14	14	44	36	41	91	118	63	17	14	14	—
	22	36	33	30	25	44	63	66	55	33	8	11	17	—
	23	28	25	28	30	28	17	50	160	P	245	33	58	—
	24	36	36	41	44	52	44	66	55	52	63	39	33	—
	25	63	143	52	44	39	44	72	66	52	36	22	22	—
	26	41	55	50	33	39	140	190	69	50	28	19	19	—
	27	44	33	19	14	41	22	69	110	39	28	19	14	—
	28	P N	P N	P N	P N	—	—	—	61	50	30	33	22	—
Hourly Means.		68.5	65.4	64 7	56.3	59.0	49.9	74.2	70.7	54.4	43.0	25.7	19 8	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	3	— 3	8	19	22	36	55	72	74	107	127	151	60.7
	2	165	41	28	22	33	P N	P N	P N	P N	14	63	77	88.6
	3	28	30	99	118	99	110	99	129	146	149	99	99	72.3
	4	58	88	39	36	50	52	94	138	154	121	110	107	74.7
	5	19	P N	P N	P N	P N	P N	P N	P N	P N	41	25	19	56.3
	6	19	17	11	17	25	50	105	116	113	99	55	99	56.4
	7	8	6	11	11	17	30	39	58	36	39	47	61	40.2
	8	11	8	11	8	19	30	47	61	66	28	39	58	37.5
	9	— 3	— 6	11	P N	P N	P N	149	105	149	105	P N	P N	56.8
	10	19	17	19	19	19	36	107	P N	72	88	85	80	55 1
	11	25	17	19	22	28	39	69	102	77	94	110	80	70.5
	12	11	14	17	19	22	33	88	66	58	94	85	28	40.1
	13	P N	132	P	245	P N	P N	30	39	83	91	99	118	78.9
	14	19	11	14	19	22	39	69	83	83	154	N	63	48.3
	15	17	14	25	19	22	44	105	88	83	72	96	80	65.3
	16	14	11	19	17	22	50	55	52	36	99	77	91	60.3
	17	22	19	22	22	25	50	110	204	118	135	138	83	63.0
	18	118	39	19	25	28	55	149	72	127	P N	P N	P N	66.2
	19	17	14	17	25	33	36	52	52	47	17	28	47	40.0
	20	— 6	19	19	22	30	50	116	88	P N	P N	P N	8	37.5
	21	8	11	14	14	25	50	80	129	69	66	55	44	43.3
	22	17	17	19	19	25	39	83	102	80	61	83	36	41.8
	23	63	28	88	138	P	— 17	28	39	55	50	39	66	58 1
	24	41	28	28	22	— 25	36	107	107	146	121	80	94	56.1
	25	22	14	22	30	47	69	80	88	113	102	69	55	56.9
	26	22	N	N	36	55	63	127	110	113	66	36	44	62.5
	27	22	17	N	P N	P N	P N	P N	P N	P N	P N	P N	P N	32.9
	28	P N	P N	P N	—	—	—	—	—	—	—	—	—	39.2
Hourly Means.		29.2	24.1	25 2	39.3	29.2	44.5	85.1	91.3	91.2	83.9	74.8	70.3	55.82

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	9.29	8.82	8.33	8.48	8.26	8.76	9.17	9.76	10.34	10.42	10.20	9.65	—
	2	8.98	8.66	8.63	8.84	9.06	9.52	9.77	10.23	10.37	10.17	9.87	9.32	—
	3	9.37	8.81	8.59	8.79	9.11	10.01	10.58	11.08	11.43	11.01	10.55	9.94	—
	4	9.93	9.43	9.14	9.07	9.31	9.72	10.19	10.48	10.86	10.76	10.48	9.82	—
	5	10.09	10.19	9.89	9.69	9.89	10.22	10.61	11.09	11.28	11.05	10.87	10.01	—
	6	9.90	9.16	8.73	8.51	8.66	9.23	9.79	10.76	10.98	10.81	10.24	9.80	—
	7	9.58	9.26	9.18	9.19	8.99	9.19	10.12	10.58	10.93	10.93	10.51	9.84	—
	8	9.61	9.12	9.03	9.08	9.26	9.41	9.43	9.62	10.10	10.24	10.30	10.03	—
	9	9.02	9.07	8.57	8.73	9.36	9.11	9.32	9.73	10.02	9.90	9.53	8.92	—
	10	8.84	8.76	8.72	8.94	8.96	9.11	9.58	9.97	10.34	10.42	10.16	9.53	—
	11	9.23	8.86	8.58	8.64	9.26	9.38	9.72	10.64	10.63	10.36	9.98	9.05	—
	12	9.83	9.41	9.08	9.16	9.23	9.39	9.66	10.26	10.56	10.55	10.14	9.60	—
	13	10.64	9.92	9.43	9.36	9.61	9.82	10.54	10.93	11.17	10.80	10.62	9.96	—
	14	10.60	9.72	9.91	9.92	9.78	9.93	10.31	10.70	10.76	10.25	10.19	9.57	—
	15	9.15	8.65	8.51	8.22	8.34	8.61	9.27	9.64	9.82	9.66	9.56	8.85	—
	16	8.71	8.18	7.96	7.69	7.76	7.93	8.61	9.21	9.43	9.36	8.98	8.25	—
	17	9.21	8.78	8.42	8.09	8.44	8.77	8.97	9.68	9.96	9.88	9.64	9.02	—
	18	9.44	9.01	9.10	9.32	9.30	9.57	10.36	10.89	10.93	11.07	10.70	9.84	—
	19	9.73	9.36	8.93	8.82	8.79	9.01	9.42	9.87	10.10	10.01	9.48	8.69	—
	20	8.77	8.43	8.01	8.05	8.07	8.34	9.01	9.48	9.51	9.28	8.89	8.28	—
	21	8.71	8.27	7.78	7.63	7.92	8.04	8.39	9.13	9.36	9.61	8.89	8.41	—
	22	9.28	8.89	8.64	8.49	8.76	9.28	9.58	9.67	10.12	10.28	9.93	9.16	—
	23	9.71	9.18	8.93	8.66	8.67	9.08	9.84	10.32	10.56	10.85	10.62	10.17	—
	24	9.41	9.03	8.54	8.36	8.23	8.21	8.74	9.13	9.03	8.93	8.59	7.92	—
	25	8.39	8.22	7.78	7.81	7.66	7.76	8.24	8.56	9.00	8.81	8.31	7.55	—
	26	7.97	7.38	7.06	7.03	6.91	7.82	7.96	8.63	9.12	9.42	8.75	8.08	—
	27	7.79	7.57	7.29	7.32	7.38	7.43	8.27	9.02	9.21	9.18	8.79	8.22	—
	28	8.47	7.78	7.19	7.07	7.28	7.89	8.56	8.71	8.78	8.87	8.40	7.74	—
	29	7.80	7.36	7.09	7.16	7.25	7.53	8.43	8.46	8.60	8.58	8.08	7.18	—
	30	7.92	7.82	7.33	7.13	6.98	7.23	8.19	8.72	8.73	9.03	8.34	7.95	—
	31	8.12	7.43	6.93	6.60	6.71	7.23	7.53	8.05	8.26	8.20	7.73	7.30	—
Hourly Means.		9.14	8.73	8.43	8.38	8.49	8.79	9.30	9.77	10.01	9.96	9.59	8.96	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	8.79	7.74	7.15	7.11	6.87	7.73	8.21	8.84	9.31	9.63	9.41	9.42	8.82
	2	8.78	7.88	7.58	7.65	8.65	9.71	10.11	10.21	10.12	10.09	10.51	10.43	9.38
	3	9.09	8.47	8.30	8.32	8.70	9.42	10.00	10.31	10.67	11.03	10.88	10.72	9.80
	4	9.10	8.60	8.20	8.62	9.14	9.75	10.41	11.11	11.27	11.27	11.20	10.62	9.94
	5	9.20	8.24	8.49	8.33	8.86	9.12	9.62	10.36	10.83	11.11	11.12	10.75	10.04
	6	8.87	8.01	7.70	7.70	7.81	8.45	9.28	10.31	10.32	10.65	10.67	10.56	9.45
	7	8.90	8.43	8.23	8.55	8.90	8.99	9.23	9.50	9.72	10.41	10.48	10.18	9.58
	8	8.95	8.61	7.94	8.26	8.54	9.22	9.90	10.02	10.46	10.77	10.38	9.79	9.50
	9	8.35	7.80	7.39	7.36	7.76	8.13	8.67	9.40	9.54	9.73	9.42	9.16	8.92
	10	8.51	7.71	7.36	7.08	7.10	7.56	8.37	9.46	9.86	10.23	10.35	9.86	9.03
	11	8.19	7.74	7.24	6.78	7.06	7.81	8.60	9.22	10.00	10.72	10.52	10.04	9.09
	12	8.85	7.99	7.55	7.24	7.70	8.27	9.18	9.40	10.54	10.95	11.63	11.28	9.48
	13	9.19	8.57	7.83	7.76	7.95	8.35	8.68	9.44	10.07	10.85	10.85	10.61	9.71
	14	8.69	7.49	7.48	7.35	7.53	8.14	8.20	8.90	9.36	9.75	9.63	9.41	9.32
	15	8.04	7.55	7.00	7.02	7.42	7.84	8.29	8.85	9.25	9.61	9.61	9.32	8.67
	16	7.85	7.18	6.85	6.75	7.03	8.19	8.55	9.20	9.47	9.62	10.09	9.71	8.44
	17	8.82	8.16	7.43	7.74	7.84	8.40	8.95	9.86	10.23	10.46	10.68	10.31	9.07
	18	9.31	8.44	7.99	8.34	8.37	9.09	9.43	9.88	10.47	10.81	10.61	10.42	9.70
	19	8.01	7.65	7.03	6.95	7.39	7.79	8.86	9.60	10.02	10.03	10.09	9.42	8.96
	20	7.29	6.34	6.00	6.21	6.69	7.57	8.91	8.86	9.12	9.13	9.25	9.15	8.28
	21	7.90	7.28	7.25	7.28	7.72	8.15	8.61	9.13	9.51	9.92	9.83	9.26	8.50
	22	8.40	7.78	7.10	7.00	7.60	8.17	9.09	9.83	10.06	10.36	10.47	10.25	9.09
	23	9.12	8.11	7.57	7.32	7.36	8.02	8.63	9.25	9.86	10.17	9.98	9.95	9.25
	24	6.98	6.24	5.84	6.75	7.14	7.29	7.58	8.37	8.68	9.26	9.13	8.86	8.18
	25	6.79	6.50	6.05	6.55	6.99	7.62	7.76	8.10	8.42	8.73	8.70	8.56	7.87
	26	7.66	7.14	7.11	6.88	7.47	7.43	7.70	8.31	8.81	8.97	8.69	8.14	7.94
	27	7.45	6.73	6.44	6.55	6.81	7.15	7.81	8.27	8.72	8.98	8.65	8.78	7.91
	28	6.99	6.33	5.79	5.67	5.89	6.56	6.92	7.63	8.02	8.08	8.05	8.00	7.53
	29	6.57	6.04	5.88	6.58	6.73	7.01	7.38	7.40	8.07	8.13	8.46	8.04	7.49
	30	7.07	7.09	6.43	6.18	6.78	7.60	8.42	8.76	9.02	9.16	9.07	8.85	7.91
	31	6.73	6.35	6.19	5.93	6.35	6.60	7.28	8.05	8.48	8.58	8.84	8.09	7.40
Hourly Means.		8.21	7.55	7.17	7.22	7.55	8.10	8.67	9.22	9.62	9.91	9.91	9.61	8.85

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	74.7	74.1	73.9	73.6	73.4	73.0	73.2	74.7	77.6	79.6	80.8	83.0	—
	2	74.5	74.0	73 7	73 6	73.2	73.1	74.0	76.0	78.0	80.7	82.7	84.4	—
	3	73.8	74.1	74.2	74.0	73.7	73.7	74.2	76.0	78.4	81.0	83.2	83.0	—
	4	74.7	74.5	73.8	73.1	72.9	72.4	73.3	75 8	79 6	82.0	83.4	84.5	—
	5	74.5	74.0	73.6	73.6	73.5	73.5	74.0	76.0	78.8	80.9	83.7	83.4	—
	6	75.4	75.0	74.0	73.4	73.0	72.8	73 2	76.5	79.7	82.0	83.6	83.5	—
	7	74.7	74.9	74.4	74.1	74.1	74.0	74.4	76 4	79.4	81.0	82.2	82.2	—
	8	74.4	74.1	73.9	73.4	73 0	72.7	73.2	76.0	79.2	81.8	81.4	82.8	—
	9	73.9	73.9	73.7	73.5	73.8	73.7	73.7	74.0	75.2	77.7	79.4	82.0	—
	10	74 0	73.7	73.5	73.0	72.9	72.7	73.5	74.9	77.0	79.9	81.0	82.0	—
	11	75.8	75.2	75.0	74.8	74.2	74.0	74.1	76.2	79.7	80.5	81.8	82.6	—
	12	76.2	75.6	75.0	74.7	74.7	74.4	74.7	78.3	81.0	82.2	83.4	85 3	—
	13	75.6	75.1	74.6	74.2	74.2	74.0	74.3	74.8	76.9	79.1	81.6	83.1	—
	14	75 8	75.2	75.4	75.4	75.3	75.3	75.8	76.6	79.2	80 6	82.4	84.0	—
	15	74.9	74.8	74.6	74.2	74.0	73.8	75.0	78.3	81.2	83 4	84.2	86.3	—
	16	75.8	75.0	74.6	74.0	73.3	73.0	73.3	76.0	80.1	82 2	85.0	86.2	—
	17	75.1	74.4	73.6	73.7	73.4	73.0	73.3	75.8	79.2	82.0	84.2	86.1	—
	18	75.7	75.0	74.4	74.2	73.6	73.3	73.3	76.3	81.4	83.8	85.6	86.3	—
	19	75.7	75.3	74.8	74.0	73.3	72.8	73.4	77.0	81.2	83.7	85.2	86.6	—
	20	75.1	74.8	74.4	74.0	73.8	73.6	74.2	78.0	81.0	83.0	84.0	80.5	—
	21	75.2	75.0	74.6	74.4	74.0	74.0	74.1	76.6	78.7	82.0	81.7	83.0	—
	22	74.5	74.2	74.0	73.8	73.5	73.6	74.1	75.3	78.1	80.1	82.8	84.6	—
	23	75.3	74.7	74.4	74.0	73.8	73.4	74.6	76.5	78.6	79.1	78.7	77.9	—
	24	75.0	74.8	74.2	73.8	73.1	73.0	74.0	76.6	79.1	81.6	83.7	86.3	—
	25	73.8	73.3	73.1	72.9	72.9	72.7	73.6	76.5	79.7	83.0	85.0	86.3	—
	26	75.1	74.7	74.2	74.0	73.8	73.4	74.5	76.5	78.6	80.6	82.0	83.5	—
	27	74.1	73.2	73.1	72.4	72.2	72.1	72.6	74.3	77.4	79.9	81.3	83.3	—
	28	75.0	74.6	74.2	74.0	73.7	73.4	74.3	76.9	80.1	82.4	84.3	85.2	—
	29	78.1	77.8	77.1	76.1	75.5	75.0	75.6	77.0	80.7	83.2	84.5	84.0	—
	30	76.8	76.3	76.0	75.6	74.9	74.4	75.0	77.2	79.9	82.7	83.0	84.0	—
	31	75.0	75.2	75.4	75.2	75.0	74.6	75 0	77.1	80.5	83.1	85.0	86.3	—
Hourly Means.		75.10	74.73	74 37	74.02	73 73	73.50	74.05	76.26	79.20	81.45	82.93	83.94	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	84.9	84.9	84.6	78.8	78.2	78.5	78.5	78.0	77.4	76.2	75.7	74.9	77.59
	2	84.3	83.5	84.1	83.8	80.3	78.0	75.4	74.1	73.7	73.5	73.8	73.8	77.34
	3	83.6	83.6	82.0	79.8	79.6	78.4	77.2	76.6	76.0	75.5	75.0	74.7	77.55
	4	83.5	82 5	82.5	81.4	81.2	79.0	77.1	76.3	75.7	75.1	74.8	74.8	77.66
	5	83.4	84.3	83.4	80.8	78.7	77.5	77.0	76.6	76.2	76.0	75.6	75.6	77.69
	6	84.5	84.0	83.9	83.8	82.5	81.3	81.1	77.1	76.1	75.4	74.8	74.8	78.39
	7	84.9	84.7	83.8	82.5	80.0	78.0	76.8	76.1	75.8	75.9	75.5	74.9	77.95
	8	83.0	82.3	82.2	82.0	78.4	76.8	75.3	74.9	74.5	74.1	74.0	74.0	76.98
	9	82.1	83.0	82.3	81.4	80.5	79.7	79.2	78.0	76.8	76.0	75.2	74.7	77.23
	10	82.3	82.0	82.0	81.5	80.5	79.6	78.8	78.2	77.5	77.2	76.9	76.2	77.53
	11	85.0	84.4	85.0	84.0	82.3	81.0	79.6	79.0	78.6	77.8	77.2	76.6	78.93
	12	85.0	85.0	84.4	83.6	82.6	81.7	81.1	80.9	80.6	79.8	77.4	76.0	79.73
	13	82.8	84.0	83 8	83.0	82.2	81.4	80.5	79.2	79 0	78.6	78.5	77.4	78.66
	14	84.2	84.0	83.6	82.7	81.3	80.6	79.2	77.6	76.7	76.1	75 8	75.2	78.67
	15	82.0	83.6	81.3	82.3	83.5	82.5	81.0	79.6	78.5	77.7	76 8	76.2	79.15
	16	81.0	84.2	84.4	84.2	83.9	82.7	81.1	79.0	77.7	76.5	75.6	75.4	78.93
	17	87.6	87.1	85.0	83.8	83.6	83.0	81.6	80.5	79.3	78.3	77.4	76.9	79.50
	18	83.3	86.0	85 0	85.9	84.9	83.1	81.7	79.7	78.4	77.4	76.3	76 0	79.61
	19	87.1	85.2	84.2	83.5	83.1	82.0	81.2	79.4	77.2	76.6	76.6	76.2	79.39
	20	83.0	85.0	85.0	83.7	83.4	79.6	77.0	75.4	75.6	75.8	75.6	75.7	78.38
	21	81.0	81.0	78.1	77.8	77.2	76.5	76.3	76.1	75.7	75.4	75.2	74.8	77.02
	22	85.0	85.4	85.4	84.0	82.7	82.2	80.2	79.2	78.0	76.8	76.2	76.0	78.74
	23	78.8	81.1	83.2	82.0	81.9	79.3	78.7	78 0	77.1	76.6	76.4	75.8	77.50
	24	87.6	88.9	85.6	77.0	76.0	76.7	76.0	75.6	74.8	74.7	74.3	74.0	77.77
	25	87.8	87.0	85.0	80.2	78 7	77.5	76.7	76.1	76.0	76.2	76.0	75.5	78.15
	26	80.0	77.6	78.4	78.4	74.9	75.0	75.2	75.2	75.4	75.0	75.2	74.6	76.49
	27	84.3	83.5	83.0	81.3	80.7	79.5	78.4	77.4	76.7	76.1	75.5	75.1	77.39
	28	86.0	87.0	85.2	85.4	84.9	83.5	81.8	80.2	79.8	79.0	78.1	78.3	79.89
	29	85.7	87.4	84.3	81.2	79.5	79.3	79.1	78.8	78.6	77.9	77.3	77 1	79.62
	30	84.9	77.7	78.6	80.7	81.2	79.4	78.0	77.1	77.0	76.7	76.3	75.8	78.30
	31	88.3	87.3	86.9	82.1	81.3	80.8	79.6	78.6	77.8	77.6	77.0	76.3	79.63
Hourly Means.		84.09	84.10	83.43	82.02	80.96	79.81	78.72	77.69	77.04	76.50	76.00	75.59	78.30

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	947	956	956	965	956	955	955	922	845	787	761	691	—
	2	939	956	956	965	973	964	956	906	853	790	731	695	—
	3	947	938	947	947	965	965	956	890	846	747	718	724	—
	4	939	930	938	955	937	946	929	849	795	722	734	663	—
	5	939	956	956	965	965	965	956	906	847	755	694	734	—
	6	922	930	947	946	955	955	946	833	773	721	699	692	—
	7	930	930	947	956	947	956	939	906	795	740	729	751	—
	8	939	938	938	956	955	955	946	882	795	771	776	745	—
	9	956	956	956	965	938	965	982	973	966	901	840	744	—
	10	930	938	938	946	955	946	938	897	844	796	798	786	—
	11	948	956	956	947	947	947	939	891	795	789	742	745	—
	12	881	880	897	930	939	947	939	837	762	737	699	614	—
	13	864	880	888	896	887	895	887	879	818	801	749	704	—
	14	931	947	957	914	957	974	974	957	870	790	773	694	—
	15	947	947	956	947	947	956	922	846	757	699	675	650	—
	16	940	947	947	956	955	955	938	890	788	752	691	625	—
	17	904	904	920	929	937	929	903	881	823	743	688	625	—
	18	915	922	921	921	938	929	929	874	757	700	673	650	—
	19	923	939	939	938	937	929	894	812	727	694	792	645	—
	20	922	922	921	921	921	929	921	837	813	739	694	811	—
	21	956	965	965	956	956	956	956	891	831	772	757	703	—
	22	956	965	965	965	965	956	956	922	868	818	724	664	—
	23	922	939	939	938	938	938	939	924	885	854	846	908	—
	24	939	930	947	938	946	937	912	858	772	700	654	590	—
	25	956	965	964	964	964	964	956	906	825	754	691	644	—
	26	947	956	956	956	956	965	939	924	854	812	764	734	—
	27	921	937	937	946	955	955	964	939	836	811	777	726	—
	28	880	904	913	921	938	946	939	866	796	737	682	685	—
	29	845	860	875	906	923	930	905	867	761	719	670	722	—
	30	883	899	906	914	922	939	947	883	781	752	725	708	—
	31	905	888	872	888	871	888	904	812	738	651	652	663	—
Hourly Means.		925	932	936	941	943	946	938	886	813	760	729	701	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	691	639	676	885	876	908	885	884	892	899	905	939	865
	2	642	665	662	673	715	805	863	869	886	911	929	938	843
	3	749	719	771	750	848	846	843	874	906	922	922	930	860
	4	748	716	722	756	776	823	866.	890	889	914	922	930	845
	5	719	701	705	804	837	859	874	899	915	915	931	931	864
	6	675	741	720	734	737	769	798	826	848	880	921	930	829
	7	683	682	706	765	810	829	857	889	914	915	922	939	852
	8	697	744	721	742	830	899	905	913	930	938	947	956	867
	9	715	747	729	770	804	855	886	876	882	906	922	930	882
	10	779	792	771	791	804	840	878	901	925	916	932	940	874
	11	711	709	645	687	729	747	816	869	877	779	867	857	829
	12	646	691	696	734	738	757	783	797	835	871	883	881	807
	13	738	706	734	767	778	806	826	878	894	909	908	941	835
	14	749	741	748	745	783	811	870	884	882	915	923	947	864
	15	763	740	858	852	726	765	850	886	926	933	932	948	851
	16	812	736	722	722	727	780	835	854	884	890	898	897	839
	17	559	592	690	741	734	718	777	834	886	901	900	907	809
	18	753	655	710	641	637	711	749	832	877	900	906	915	809
	19	672	718	749	733	753	792	827	832	842	857	882	899	822
	20	760	691	691	686	719	809	916	930	957	948	957	957	849
	21	835	843	893	925	907	932	932	931	940	948	957	956	903
	22	639	628	640	674	710	743	848	870	876	916	923	923	838
	23	878	769	754	786	822	839	869	901	924	932	932	931	888
	24	594	586	712	882	931	923	948	931	947	939	947	956	851
	25	637	610	717	833	861	924	890	915	923	915	915	931	859
	26	810	900	901	908	914	930	939	922	880	897	872	896	897
	27	701	747	738	755	760	802	837	875	899	915	923	872	855
	28	656	644	691	653	632	692	771	818	802	808	837	830	793
	29	693	647	783	775	785	847	862	877	877	867	891	875	823
	30	690	805	846	819	851	794	806	834	851	850	817	856	837
	31	603	580	646	721	734	746	809	837	860	859	883	873	787
Hourly Means.		709	706	734	765	783	816	852	875	891	899	910	916	846

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	C	E	SE	SE	SE	C	SE	SSE	S	S	S	NW
	2	C	C	C	C	C	C	WNW	WSW	W	WSW	W	N
	3	C	C	C	C	C	C	SSE	SSE	S	S	N	N
	4	C	C	C	SSW	C	C	SSW	SSW	S	W	NNW	NNE
	5	C	C	SSW	C	C	C	SSW	SSW	W	W	NW	N
	6	S	S	S	C	C	C	C	S	E	ENE	NE	N
	7	C	C	C	C	C	C	SW	C	WNW	NW	NW	NNW
	8	C	C	C	C	SW	SW	SW	SSW	SW	NW	NW	NNW
	9	C	C	C	C	NW	C	C	C	C	NNW	NW	NW
	10	C	C	C	C	C	C	S	S	S	SW	SSW	NNE
	11	C	C	C	C	C	NW	C	C	NW	NNW	N	N
	12	C	WSW	C	C	C	C	C	WSW	SW	NW	N	N
	13	SSW	SSW	SSW	C	C	SSW	C	C	SSE	SE	NE	N
	14	N	C	C	C	N	N	N	N	N	N	N	NNE
	15	WSW	WSW	C	C	C	C	SW	SW	E	E	ENE	ENE
	16	C	C	E	C	E	E	E	E	ESE	E	E	NNE
	17	C	NNE	NNE	C	NNE	NNE	NNE	C	NNE	NNE	SSW	ENE
	18	N	C	N	N	C	N	N	N	SE	E	E	NE
	19	C	C	C	C	E	C	ESE	SSE	ESE	ESE	E	E
	20	C	S	C	C	C	C	C	SE	E	NE	NE	E
	21	C	SE	SSE	C	C	C	SSE	SSE	SE	ENE	NNE	NE
	22	C	C	C	C	C	C	C	SSE	S	W	N	ENE
	23	C	N	N	N	N	N	C	N	N	NW	NW	NW
	24	C	C	C	WSW	C	C	WSW	WSW	W	NW	W	NW
	25	C	C	C	C	C	C	C	SE	W	WSW	W	WNW
	26	C	C	C	C	C	C	SW	C	W	WNW	W	W
	27	C	C	C	C	C	C	WNW	WSW	WSW	WSW	WSW	NW
	28	W	W	W	C	C	W	W	C	WNW	WNW	WNW	WNW
	29	W	W	W	C	C	C	W	W	W	W	NW	WSW
	30	C	C	C	C	C	C	C	WSW	W	WSW	WSW	WNW
	31	WSW	SW	SW	C	C	C	C	SW	W	W	WNW	W

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
MARCH.	1	NNW	NNW	N	WNW	WNW	C	C	C	C	C	WNW	C
	2	NNE	N	N	N	W	SW	SE	SE	SSE	C	C	C
	3	N	N	N	W	W	SW	SSW	C	SSW	SSW	C	C
	4	NNW	N	NNW	N	N	SSW	S	S	S	C	S	C
	5	N	NNW	NNW	W	WSW	SW	C	C	C	SW	SW	SW
	6	NNE	NNE	N	NE	N	N	N	SSW	SSW	SSW	SSW	SSW
	7	NNW	NNW	N	NNW	SSW	SW	SW	C	C	C	C	SW
	8	NNW	N	NW	NNW	SSW	S	S	S	C	C	S	S
	9	N	N	N	N	NNW	C	NNW	S	S	C	C	C
	10	N	N	NNW	NW	NW	C	C	C	C	C	C	C
	11	N	N	NNE	N	NNW	NW	NW	WNW	W	W	WSW	WSW
	12	NNW	N	NNW	N	N	N	N	N	N	N	SW	SSW
	13	NE	NNE	NE	N	N	N	C	C	C	C	C	N
	14	N	N	NNE	N	N	N	N	W	WSW	WSW	WSW	C
	15	N	NE	S	S	E	E	E	C	C	C	C	C
	16	NE	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C
	17	E	E	NNE	N	N	N	N	N	C	N	N	N
	18	N	NE	NE	ENE	ENE	ENE	E	C	E	C	E	E
	19	ENE	NNE	NNE	NE	NE	NE	NE	E	S	S	C	C
	20	NE	NE	ENE	NNE	N	SSW	S	SE	C	C	C	C
	21	E	NE	ENE	SE	SSE	C	C	C	C	C	C	C
	22	NE	N	NNE	N	N	N	C	C	C	N	N	C
	23	NW	NNW	NW	NW	NNW	WSW	WSW	C	C	C	C	C
	24	W	NW	NNW	S	SE	E	E	E	ESE	C	C	C
	25	WNW	WNW	WNW	SSE	S	S	SSE	C	C	C	C	C
	26	NW	NNW	NNW	NW	W	W	W	W	WNW	WNW	WNW	C
	27	NW	NNW	NW	NW	W	W	C	C	C	C	C	W
	28	NW	NW	NW	NW	NW	WNW	WNW	C	WNW	WNW	WNW	WNW
	29	WNW	NW	NNW	NW	NW	NW	NW	NW	C	C	C	C
	30	NW	NW	NW	NW	NW	WSW	W	WSW	WSW	W	W	WSW
	31	W	WNW	WSW	SW	WSW	W	W	W	C	C	W	W

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	0.0	0.8	1.6	1.6	1.6	0.0	0.8	2.4	2.4	0.8	1.6	1.6	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	2.4	2.4	7.2	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	1.6	3.2	4.8	—
	4	0.0	0.0	0.0	0.8	0.0	0.0	1.6	2.4	2.4	3.2	6.4	12.1	—
	5	0.0	0.0	1.6	0.0	0.0	0.0	1.6	1.6	2.4	4.8	6.4	10.5	—
	6	1.6	0.8	0.8	0.0	0.0	0.0	0.0	1.6	6.4	6.4	8.0	7.2	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	3.2	4.8	8.0	8.9	—
	8	0.0	0.0	0.0	0.0	0.8	1.6	3.2	4.8	5.6	9.7	12.9	12.9	—
	9	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.8	1.6	4.0	—
	10	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	0.8	1.6	1.6	4.0	—
	11	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	1.6	2.4	3.2	4.8	—
	12	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	4.8	11.3	—
	13	4.8	3.2	1.6	0.0	0.0	0.8	0.0	0.0	1.6	1.6	4.8	6.4	—
	14	0.8	0.0	0.0	0.0	0.8	0.8	0.8	2.4	0.8	0.8	3.2	6.4	—
	15	0.8	0.8	0.0	0.0	0.0	0.0	1.6	4.8	11.3	11.3	11.3	13.7	—
	16	0.0	0.0	0.8	0.0	0.8	0.8	1.6	1.6	4.8	9.7	9.7	11.3	—
	17	0.0	0.8	1.6	0.0	0.8	2.4	1.6	0.0	1.6	1.6	4.0	8.9	—
	18	0.8	0.0	0.8	0.8	0.0	1.6	1.6	2.4	7.2	10.5	13.7	9.7	—
	19	0.0	0.0	0.0	0.0	0.8	0.0	0.8	2.4	9.7	12.9	12.9	12.9	—
	20	0.0	0.8	0.0	0.0	0.0	0.0	0.0	4.0	8.9	9.7	9.7	4.0	—
	21	0.0	1.6	1.6	0.0	0.0	0.0	0.8	1.6	3.2	6.4	4.8	8.0	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	2.4	5.6	—
	23	0.0	1.6	0.8	0.8	0.8	0.8	0.0	0.8	3.2	7.2	4.8	4.0	—
	24	0.0	0.0	0.0	0.8	0.0	0.0	0.8	3.2	1.6	3.2	5.6	7.2	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	4.0	4.8	5.6	—
	26	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	4.8	5.6	7.2	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	2.4	2.4	3.2	7.2	—
	28	1.6	0.8	0.8	0.0	0.0	0.8	1.6	0.0	4.8	7.2	7.2	8.9	—
	29	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.6	3.2	5.6	6.4	3.2	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	5.6	4.8	6.4	—
	31	4.8	1.6	0.8	0.0	0.0	0.0	0.0	3.2	3.2	7.2	8.0	8.0	—
Hourly Means.		0.52	0.46	0.44	0.15	0.23	0.34	0.88	1.73	3.52	4.97	6.03	7.55	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means
MARCH.	1	4.8	4.8	6.4	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.0	1.47
	2	12.1	11.3	11.3	8.0	4.0	4.8	4.0	4.0	0.8	0.0	0.0	0.0	3.21
	3	8.9	10.5	8.9	4.8	2.4	4.8	1.6	0.0	0.8	0.8	0.0	0.0	2.38
	4	12.9	10.5	9.7	6.4	3.2	5.6	2.4	1.6	0.8	0.0	0.8	0.0	3.45
	5	9.7	8.9	8.0	6.4	4.8	1.6	0.0	0.0	0.0	0.8	1.6	3.2	3.08
	6	10.5	12.9	9.7	12.9	6.4	1.6	0.8	8.0	1.6	1.6	1.6	1.6	4.25
	7	12.1	12.1	8.0	1.6	5.6	2.4	1.6	0.0	0.0	0.0	0.0	0.8	2.91
	8	13.7	12.9	8.9	4.8	4.8	0.8	1.6	1.6	0.0	0.0	0.8	0.8	4.26
	9	8.0	9.7	10.5	4.8	0.8	0.0	0.8	4.8	0.8	0.0	0.0	0.0	1.98
	10	4.8	4.8	6.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.33
	11	7.2	9.7	9.7	9.7	6.4	3.2	1.6	1.6	1.6	0.8	1.6	0.8	2.78
	12	11.3	9.7	11.3	11.3	7.2	4.8	3.2	3.2	0.8	3.2	8.0	8.0	4.32
	13	8.0	8.0	9.7	8.0	6.4	3.2	0.0	0.0	0.0	0.0	0.0	0.8	2.87
	14	12.1	10.5	9.7	10.5	5.6	0.8	2.4	1.6	1.6	0.8	0.8	0.0	3.05
	15	10.5	9.7	2.4	1.6	7.2	4.0	0.8	0.0	0.0	0.0	0.0	0.0	3.83
	16	7.2	10.5	10.5	12.9	10.5	3.2	0.8	3.2	0.8	1.6	1.6	0.0	4.33
	17	10.5	8.0	9.7	6.4	4.0	4.0	2.4	0.8	0.0	0.8	1.6	1.6	3.05
	18	7.2	14.5	15.3	15.3	12.1	6.4	2.4	0.0	0.8	0.0	1.6	0.8	5.23
	19	14.5	16.1	14.5	16.9	16.1	6.4	1.6	4.8	4.8	2.4	0.0	0.0	6.27
	20	6.4	8.9	8.0	8.9	4.8	4.8	3.2	0.8	0.0	0.0	0.0	0.0	3.45
	21	8.0	3.2	3.2	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.97
	22	8.9	9.7	10.5	9.7	5.6	0.8	0.0	0.0	0.0	1.6	0.8	0.0	2.45
	23	4.8	6.4	5.6	4.8	1.6	2.4	0.8	0.0	0.0	0.0	0.0	0.0	2.13
	24	6.4	8.9	10.5	10.5	1.6	1.6	0.8	1.6	0.8	0.0	0.0	0.0	2.71
	25	7.2	9.7	6.4	4.0	3.2	2.4	1.6	0.0	0.0	0.0	0.0	0.0	2.34
	26	13.7	7.2	3.2	1.6	4.8	0.8	0.8	3.2	1.6	0.8	0.8	0.0	2.47
	27	8.0	13.7	12.1	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	2.4	2.78
	28	10.5	11.3	12.1	9.7	7.2	2.4	0.8	0.0	0.8	0.8	0.8	1.6	3.82
	29	7.2	8.0	16.1	9.7	2.4	1.6	0.8	0.8	0.0	0.0	0.0	0.0	2.91
	30	6.4	11.3	2.4	4.8	2.4	5.6	4.8	4.0	4.8	5.6	8.0	4.8	3.70
	31	11.3	11.3	10.5	6.4	4.0	3.2	0.8	1.6	0.0	0.0	1.6	2.4	3.75
Hourly Means.		9.19	9.83	9.07	7.39	4.91	2.71	1.37	1.52	0.75	0.70	1.06	0.95	3.18

CLOUDS.

CLEAR = O. — OVERCAST = 10.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	10	9	9	7	6	9	7	9	6	9	8	8	—
	2	6	3	4	7	9	8	6	3	4	2	3	6	—
	3	10	10	9	5	8	8	9	8	6	7	6	8	—
	4	8	5	1	2	2	2	2	1	1	2	8	5	—
	5	7	10	6	5	10	7	3	2	7	6	7	6	—
	6	9	7	3	1	1	1	1	0	0	0	0	7	—
	7	8	7	3	5	7	4	3	8	9	10	10	9	—
	8	2	3	4	4	5	6	8	7	7	8	9	9	—
	9	4	5	7	9	10	10	10	10	10	9	10	8	—
	10	2	2	2	6	10	8	8	8	9	9	9	8	—
	11	3	3	5	4	6	9	3	0	3	7	8	9	—
	12	3	4	3	3	3	5	4	2	3	7	6	3	—
	13	10	9	10	6	8	9	10	10	10	10	10	9	—
	14	9	10	10	10	10	10	10	9	5	8	10	6	—
	15	1	3	4	4	3	3	1	1	1	2	7	7	—
	16	1	0	0	1	1	1	0	0	0	6	1	6	—
	17	4	2	2	3	2	7	4	3	3	3	4	5	—
	18	4	4	3	3	2	4	7	3	4	4	3	8	—
	19	2	1	1	1	1	2	2	2	1	3	3	3	—
	20	10	6	6	4	2	3	3	2	2	6	7	8	—
	21	10	10	8	5	6	6	6	2	6	3	9	9	—
	22	9	7	6	4	9	10	10	9	10	9	6	9	—
	23	2	2	3	2	4	7	9	9	9	10	9	9	—
	24	1	2	3	2	2	3	1	0	1	1	2	2	—
	25	7	8	9	9	10	6	3	1	1	3	3	5	—
	26	5	3	3	2	5	10	10	6	8	6	6	9	—
	27	8	9	9	6	7	9	10	10	10	10	9	9	—
	28	8	6	5	8	7	6	7	3	3	4	4	5	—
	29	9	8	7	8	6	7	10	5	6	9	7	9	—
	30	6	6	10	9	6	6	5	6	7	7	8	8	—
	31	10	10	10	10	10	10	10	9	7	6	4	7	—
Hourly Means.		6.1	5.6	5.3	5.0	5.7	6.3	5.9	4.8	5.1	6.0	6.3	7.1	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	3	3	6	10	9	9	10	7	4	4	6	6	7.3
	2	6	4	4	4	10	10	10	10	10	10	9	9	6.5
	3	7	9	10	10	10	10	10	10	10	10	7	10	8.6
	4	8	9	9	10	10	10	10	10	10	10	10	6	6.3
	5	7	6	9	10	10	10	10	10	10	10	10	9	7.8
	6	7	5	8	7	7	7	10	10	10	10	10	10	5.5
	7	3	2	4	10	10	8	9	8	9	4	4	7	6.7
	8	10	10	10	10	10	10	10	7	6	5	3	3	6.9
	9	7	7	8	9	9	10	10	10	9	9	9	6	8.5
	10	9	10	10	10	9	9	9	10	10	5	4	4	7.5
	11	6	3	2	2	3	6	9	10	10	9	6	4	5.4
	12	1	0	0	0	5	5	9	9	10	10	10	10	4.8
	13	6	5	3	3	4	2	5	4	8	9	10	10	7.5
	14	8	5	4	3	5	7	7	8	8	5	3	2	7.2
	15	9	8	8	9	8	7	4	3	2	0	1	0	4.0
	16	10	3	1	2	2	7	8	8	7	4	3	5	3.2
	17	5	7	8	9	4	4	8	9	8	9	9	7	5.4
	18	5	6	4	4	5	4	3	3	5	5	3	3	4.1
	19	9	8	7	8	8	8	10	10	10	10	10	8	5.3
	20	9	5	5	9	10	10	10	9	10	9	10	9	6.8
	21	9	9	10	10	10	9	8	9	9	8	8	9	7.8
	22	6	3	0	0	1	4	7	4	3	3	2	1	5.5
	23	10	9	9	9	9	10	7	6	9	6	6	5	7.1
	24	4	5	9	10	10	9	10	10	10	10	10	10	5.3
	25	7	9	10	10	10	10	10	10	10	10	10	8	7.5
	26	8	10	10	10	10	10	9	10	9	7	8	4	7.4
	27	7	9	9	9	7	6	6	3	3	1	1	8	7.3
	28	5	5	3	3	4	6	10	10	10	10	8	10	6.3
	29	8	7	9	10	9	10	10	10	10	10	10	10	8.5
	30	9	10	10	10	10	10	10	10	10	10	10	10	8.5
	31	7	8	8	9	9	10	10	10	10	10	10	10	8.9
Hourly Means.		6.9	6.4	6.7	7.4	7.6	8.0	8.6	8.3	8.4	7.5	7.1	6.9	6.63

DURATION OF SUNSHINE.

MARCH.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	7	10	10	3	2	0	2	6	8	8	9	7	10	9	0	0	5.7
2	8	5	6	10	10	7	8	6	4	9	10	8	10	10	10	10	8.2
3	3	6	9	7	8	8	6	2	6	3	6	4	0	0	0	0	4.3
4	10	10	10	10	7	4	4	10	10	9	7	4	1	3	3	0	6.4
5	9	6	7	9	10	10	10	3	6	2	6	8	6	1	0	0	5.8
6	10	10	10	10	10	10	9	3	2	8	5	5	8	9	6	8	7.7
7	4	5	7	3	0	0	5	4	3	9	9	9	7	3	2	0	4.4
8	10	10	10	8	6	3	4	7	7	7	5	4	5	3	1	0	5.6
9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10	8	7	9	7	9	1	2	4	3	0	0	1	3	3	0	0	3.6
11	9	8	7	0	0	0	1	0	2	5	7	6	8	9	10	10	5.1
12	10	10	10	7	0	4	6	9	10	10	10	10	9	10	9	9	8.3
13	0	0	0	1	1	2	8	4	2	0	6	8	7	9	10	10	4.3
14	3	10	9	2	7	6	1	6	8	8	8	8	10	9	8	9	7.0
15	10	10	10	10	9	9	4	6	8	6	0	6	8	5	8	2	6.9
16	10	10	10	9	9	10	9	9	3	3	6	10	10	10	10	10	8.6
17	10	9	10	10	6	8	8	10	9	9	9	6	7	6	3	0	7.5
18	10	10	10	10	9	9	10	9	5	0	1	6	6	8	7	7	7.3
19	10	10	10	10	8	8	10	9	8	8	6	3	6	4	6	6	7.6
20	10	10	10	9	7	9	5	1	2	8	3	8	9	5	10	8	7.1
21	10	7	8	10	9	4	3	4	5	2	0	0	0	0	0	0	3.9
22	3	3	5	5	9	9	9	9	3	7	8	10	10	9	9	10	7.4
23	1	0	1	0	0	0	0	0	0	0	0	6	7	9	6	1	1.9
24	10	10	10	10	9	9	10	10	10	8	10	9	7	4	3	0	8.1
25	10	10	10	10	9	9	10	7	7	6	8	8	7	2	0	0	7.1
26	5	7	1	0	6	2	4	7	4	1	1	0	0	0	0	0	2.4
27	7	9	9	2	4	8	6	8	8	9	9	2	3	1	2	0	5.4
28	10	10	10	10	10	10	9	9	9	9	9	10	7	8	10	10	9.4
29	9	10	10	9	10	9	9	2	0	4	8	8	8	6	6	0	6.8
30	10	10	10	9	9	4	3	3	6	3	2	1	0	0	3	1	4.6
31	0	3	3	6	9	8	9	9	8	9	7	2	0	2	4	0	4.9
Means.	7.5	7.8	8.0	6.9	6.7	6.0	6.1	5.9	5.5	5.7	5.8	5.9	6.0	5.2	4.9	3.7	6.10

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

MARCH.

Mean Batavia Time.	$7^{h}30$ A. M.	8	$8^{h}30$	9	$9^{h}30$	10	$10^{h}30$	11	$11^{h}30$	12	$0^{h}30$ P. M.	1	$1^{h}30$	2	$2^{h}30$	3	$3^{h}30$	4	$4^{h}30$
1	25.9	31.4	40.3	48.9	47.1	37.4	37.4	39.4	38.4	48.9	49.9	53.5	49.9	51.5	52.4	39.9	—	—	29.4
2	35.6	42.4	40.4	41.9	45.9	50.1	50.5	49.9	51.8	45.2	45.5	50.3	50.4	48.4	48.4	48.4	40.3	37.9	30.0
3	26.1	37.2	34.4	44.9	46.8	48.2	47.4	43.2	45.0	41.6	47.0	46.6	50.4	44.9	37.5	36.1	35.9	29.5	30.6
4	36.0	43.9	45.8	48.5	49.4	45.2	51.4	44.0	46.1	53.4	53.4	51.3	50.4	40.6	39.3	42.3	35.7	31.4	30.0
5	36.4	43.1	42.4	43.6	46.9	51.9	54.4	56.9	55.9	47.9	44.8	42.9	49.9	47.9	45.0	38.3	36.0	31.4	29.9
6	36.0	41.4	46.1	48.9	49.9	50.4	53.1	54.4	51.6	39.3	56.0	51.3	45.4	51.4	55.4	44.4	43.5	38.4	36.1
7	36.9	38.4	37.4	43.9	45.4	40.1	43.6	42.9	46.6	38.5	40.1	54.4	50.5	53.4	46.3	43.4	40.4	29.4	28.5
8	36.1	41.4	45.6	48.5	49.4	49.6	40.9	41.7	41.2	47.0	52.6	47.9	45.4	44.9	44.2	41.4	37.4	34.9	32.6
9	—	—	—	29.5	36.1	41.4	41.4	41.2	44.6	53.4	45.9	43.3	45.6	51.5	45.3	42.1	39.1	32.2	29.5
10	26.9	32.9	35.0	40.3	41.4	44.9	42.9	38.4	40.9	44.0	41.6	40.6	40.4	38.9	41.7	37.5	36.0	32.8	31.8
11	30.4	41.5	43.6	47.4	38.9	39.4	42.2	44.4	44.2	44.4	46.4	55.3	52.4	48.6	45.6	50.4	48.4	37.4	38.4
12	35.9	44.6	45.5	48.9	52.9	37.8	35.9	40.8	50.7	52.4	52.2	51.9	51.9	50.4	52.4	48.9	48.3	42.3	39.4
13	24.4	26.4	28.9	31.3	34.0	38.4	40.9	45.2	55.2	46.0	49.0	44.6	50.9	44.0	49.9	49.4	51.0	37.4	38.9
14	26.1	29.6	36.9	45.1	47.4	47.9	40.8	44.6	39.8	52.4	50.6	49.6	50.4	52.9	52.2	45.8	45.4	40.6	35.9
15	36.9	43.9	45.6	48.9	49.8	49.8	49.4	42.9	48.9	51.5	51.8	36.5	36.2	47.6	—	42.8	37.8	35.5	35.4
16	37.0	48.4	45.3	48.5	48.9	48.5	51.4	52.9	52.9	52.4	—	—	43.4	49.9	47.9	49.5	48.9	44.9	40.8
17	31.0	43.2	44.9	43.2	45.0	48.0	42.0	48.4	52.4	49.8	52.9	50.0	48.4	41.9	44.1	40.5	40.4	34.4	40.4
18	28.4	42.6	43.7	49.1	49.9	50.4	49.8	52.2	52.4	51.5	38.4	35.9	36.0	45.2	43.2	42.8	39.6	41.2	38.4
19	37.4	41.7	41.9	48.5	49.4	49.7	44.4	52.0	53.6	51.1	50.4	45.2	45.9	41.3	49.4	39.8	43.3	37.4	40.5
20	34.4	42.4	41.9	47.4	48.9	47.4	50.5	51.9	—	36.9	44.1	39.0	41.7	52.9	52.9	51.9	49.4	39.4	36.0
21	28.4	42.4	44.9	41.3	47.4	51.9	48.9	36.9	48.2	40.9	48.0	—	—	31.3	31.2	—	—	—	27.1
22	29.4	32.9	31.0	47.4	38.4	42.8	51.4	48.2	51.9	47.6	50.4	52.9	50.0	54.3	50.4	51.4	48.3	47.4	40.3
23	28.4	30.1	32.9	35.2	37.6	32.6	32.4	29.8	—	28.2	31.9	34.9	37.4	43.4	47.6	50.6	36.9	34.4	32.9
24	40.8	44.4	45.4	47.9	49.0	48.9	43.1	53.1	52.7	54.4	54.9	52.1	51.4	51.0	49.9	37.3	37.8	—	—
25	39.0	44.4	46.0	48.9	49.0	51.4	51.9	52.9	54.7	51.9	42.2	54.4	52.6	49.0	48.4	31.1	28.2	25.8	25.4
26	26.2	32.4	37.0	39.4	37.9	46.0	41.9	44.5	46.6	47.9	39.1	37.3	32.1	—	—	—	—	—	—
27	27.4	34.0	39.9	44.4	45.0	41.4	41.4	46.9	47.4	49.9	47.8	48.3	51.9	40.9	42.3	40.9	41.0	38.4	38.1
28	38.8	44.4	46.4	50.2	51.0	53.3	50.4	53.6	53.4	49.3	52.1	51.0	52.8	53.6	46.5	49.4	49.6	48.6	44.6
29	29.0	35.0	40.7	50.4	50.7	50.8	50.4	50.1	47.0	40.5	39.7	52.7	50.3	53.5	50.8	39.4	40.9	28.1	26.5
30	29.8	40.0	44.3	43.9	43.3	49.9	50.9	45.0	43.9	47.9	49.0	43.4	44.8	29.0	28.4	32.1	37.9	35.4	33.6
31	26.9	32.9	36.6	42.9	42.4	52.4	53.6	53.4	54.2	47.9	50.6	52.9	53.9	49.6	43.9	49.2	36.9	32.9	29.4
Means.	32.06	38.98	41.02	44.81	45.65	46.38	46.02	46.51	48.70	46.90	47.28	47.24	47.09	46.79	45.95	43.34	41.23	36.27	34.15

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	—	—	—	—	—	—	—	77	69	52	44	33	—
	2	61	44	39	22	36	33	83	72	77	44	33	44	—
	3	94	107	110	124	110	124	113	—	50	61	28	33	—
	4	96	88	96	77	63	151	146	58	39	30	33	22	—
	5	72	74	63	66	69	80	124	74	44	19	14	11	—
	6	61	80	69	74	61	110	184	118	50	25	22	19	—
	7	80	113	99	118	94	80	124	146	99	39	33	33	—
	8	124	140	110	193	165	110	94	61	50	25	47	17	—
	9	105	107	135	215	P N	P N	P N	P N	99	113	33	28	—
	10	121	99	85	88	99	77	94	99	88	63	39	17	—
	11	83	80	55	66	63	85	113	63	47	36	30	19	—
	12	63	55	44	50	52	44	96	63	47	19	14	14	—
	13	— 11	25	33	47	58	44	55	55	39	39	33	14	—
	14	17	P N	P N	P N	P N	19	39	121	83	28	11	25	—
	15	83	91	91	99	72	99	124	63	28	25	25	P N	—
	16	138	127	110	110	74	39	69	72	47	19	14	14	—
	17	50	47	50	39	33	33	61	74	74	25	17	17	—
	18	61	77	63	55	44	55	66	72	33	19	14	— 25	—
	19	127	121	127	110	113	91	110	94	41	25	19	22	—
	20	77	72	52	47	50	66	138	124	69	44	33	69	—
	21	74	72	69	55	66	72	69	132	52	39	39	P N	—
	22	94	113	132	80	74	66	102	63	52	33	25	25	—
	23	105	91	85	63	63	39	55	44	61	83	P N	19	—
	24	127	105	66	66	52	69	69	77	47	28	28	19	—
	25	121	135	105	113	88	55	102	61	66	25	28	25	—
	26	25	28	33	28	33	11	8	52	50	28	44	52	—
	27	—	—	—	—	—	—	—	19	69	44	39	19	—
	28	47	47	50	41	47	72	85	61	30	22	19	25	—
	29	33	44	52	55	77	124	88	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	110	55	28	28	25	—
	31	30	28	30	41	69	88	124	72	63	28	22	14	—
Hourly Means.		77.1	81.9	76.0	79.3	70.2	71.7	93.9	78.5	57.3	36.9	27.9	23.2	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	36	33	52	110	61	107	94	110	91	77	50	58	67.9
	2	33	39	41	83	P	N	N	N	107	99	129	102	61.1
	3	39	39	55	66	41	85	P N	P N	P N	96	96	105	78.8
	4	30	25	17	63	P	91	116	P N	P N	135	P N	77	72.7
	5	8	14	25	50	69	83	77	99	83	181	99	66	65.2
	6	N	N	P N	28	44	118	P N	P N	P N	P N	99	69	72.4
	7	14	25	66	P N	P N	17	94	162	193	80	121	149	90.0
	8	3	25	39	61	44	138	50	99	121	132	113	107	86.2
	9	39	36	39	94	165	127	135	66	77	80	91	107	94.6
	10	36	39	33	30	30	63	116	107	83	85	72	127	74.6
	11	22	22	22	6	36	107	138	132	99	80	83	74	65.0
	12	14	8	14	8	28	77	165	178	P N	P N	P N	44	52.2
	13	17	17	14	11	11	30	80	94	80	69	99	6	40.0
	14	22	17	17	14	52	— 14	105	94	74	69	83	80	47.8
	15	P N	P N	P N	39	44	66	99	121	143	121	116	96	82.3
	16	P N	17	19	19	36	99	102	85	55	66	61	58	63.0
	17	17	22	22	22	28	36	55	91	132	132	105	77	52.5
	18	19	19	28	25	33	52	85	110	138	143	151	127	61.0
	19	19	14	19	17	30	72	198	14	58	44	83	77	68.5
	20	127	44	39	36	P N	P N	P N	P N	— 33	39	83	88	63.2
	21	P N	P N	P N	61	105	83	94	80	94	116	96	138	80.3
	22	19	22	28	30	113	74	107	107	135	102	91	94	74.2
	23	39	25	25	41	44	66	69	107	135	85	102	118	68.0
	24	22	25	25	P N	P N	P N	P N	80	110	113	160	143	71.6
	25	22	P N	P N	P N	P N	P N	121	91	52	55	63	47	72.4
	26	P N	P N	P N	P N	P N	—	—	—	—	—	—	—	32.7
	27	22	14	6	19	41	58	69	146	99	107	132	55	56.4
	28	25	22	17	28	25	55	80	116	94	74	69	22	48.9
	29	—	—	—	—	—	—	—	—	—	—	—	—	67.6
	30	28	P N	P N	39	41	P N	P N	39	33	25	8	28	37.5
	31	11	17	124	11	55	25	28	39	58	80	74	50	49.2
Hourly Means.		27.3	24.2	32.8	38.9	51.1	71.5	99.0	98.6	92.4	92.0	93.7	82.4	65.74

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL	1	7.63	7.25	6.80	6.66	7.01	7.42	7.78	8.42	8.83	8.98	8.37	7.55	—
	2	6.88	6.30	5.71	5.78	6.32	7.03	7.53	8.37	8.67	8.48	7.91	7.45	—
	3	7.48	6.98	6.75	6.82	6.83	7.16	7.59	8.22	8.95	8.97	8.66	8.03	—
	4	7.59	7.42	7.27	7.32	7.54	7.76	8.51	8.74	9.36	9.23	8.44	7.91	—
	5	8.21	7.87	7.88	7.74	8.11	8.47	9.14	9.61	9.78	9.76	9.07	8.42	—
	6	9.26	8.11	7.88	7.65	8.12	8.48	9.26	9.98	10.11	10.15	9.68	8.91	—
	7	9.45	8.92	8.53	8.67	8.82	9.23	9.89	10.63	11.42	11.15	10.95	9.89	—
	8	9.99	9.92	9.74	9.93	9.99	10.26	10.56	11.14	11.71	11.82	11.37	10.58	—
	9	10.48	10.15	9.25	9.22	9.59	10.17	10.77	10.96	11.52	11.15	10.77	9.89	—
	10	10.73	10.31	10.06	9.79	9.90	10.42	10.87	11.27	11.42	11.42	11.21	10.54	—
	11	10.16	9.47	9.31	9.53	9.91	10.18	10.54	11.11	11.16	10.92	10.56	9.54	—
	12	10.10	9.63	9.36	9.64	9.60	9.42	9.76	10.42	10.63	10.84	10.50	9.51	—
	13	9.27	8.72	8.82	8.83	9.06	8.86	8.90	9.14	9.66	9.57	8.89	7.83	—
	14	8.47	8.03	7.90	8.16	8.35	8.67	8.74	9.16	9.57	9.33	8.86	8.21	—
	15	9.01	8.27	8.15	8.62	8.98	9.38	9.33	9.72	10.17	10.05	9.75	9.30	—
	16	9.32	8.96	8.86	8.83	9.05	9.16	9.62	9.88	9.88	9.67	9.26	8.45	—
	17	9.02	8.46	8.12	8.08	8.77	9.13	9.64	9.82	9.86	9.92	9.61	8.89	—
	18	9.50	9.06	8.86	8.98	9.17	9.68	10.22	10.51	10.91	10.89	10.32	9.74	—
	19	10.67	9.98	9.50	9.66	9.92	10.09	10.61	11.03	11.23	11.26	10.85	10.18	—
	20	9.92	9.40	9.42	9.68	9.70	10.08	10.31	10.77	11.00	10.76	10.47	9.35	—
	21	9.16	8.58	8.31	8.28	8.33	8.69	9.14	9.48	9.76	9.97	9.66	8.90	—
	22	9.56	8.87	8.52	8.65	8.81	9.30	9.82	10.30	10.61	10.53	10.03	9.26	—
	23	9.38	8.86	8.61	8.72	9.03	9.45	9.80	10.44	10.51	10.39	9.98	9.32	—
	24	9.76	9.41	9.32	9.22	9.12	9.23	9.73	10.22	10.73	10.70	10.20	9.55	—
	25	9.56	9.17	8.82	8.73	8.91	9.28	9.68	10.13	10.27	10.22	9.91	9.35	—
	26	9.96	9.72	9.20	9.22	9.25	9.67	9.92	10.25	10.63	10.62	10.24	9.49	—
	27	9.43	8.96	8.67	8.45	8.51	8.83	9.31	9.57	9.78	9.48	8.96	8.50	—
	28	8.90	8.41	8.17	8.31	8.32	8.63	9.38	9.82	9.91	9.79	9.38	8.57	—
	29	9.06	8.72	8.38	8.51	8.83	8.87	9.13	9.88	10.26	9.93	9.61	8.97	—
	30	9.24	8.61	8.23	8.45	8.71	9.23	9.68	10.20	10.06	9.97	9.53	8.85	—
Hourly Means.		9.24	8.75	8.48	8.54	8.75	9.07	9.51	9.97	10.27	10.20	9.77	9.03	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL	1	7.06	6.10	5.85	6.10	6.35	6.49	7.43	7.80	8.28	8.61	8.37	7.73	7.45
	2	6.74	6.34	5.74	6.09	6.38	6.71	7.62	8.48	8.85	8.60	8.66	7.91	7.27
	3	7.45	6.55	6.26	6.64	7.54	8.08	8.11	8.61	8.87	8.85	8.88	8.26	7.77
	4	7.22	6.55	6.02	6.60	6.83	6.56	7.36	8.15	8.73	9.06	8.93	8.79	7.83
	5	7.75	7.23	6.63	6.29	6.63	7.53	8.09	8.91	9.34	9.38	9.78	9.66	8.39
	6	8.08	7.38	6.95	7.09	7.64	7.57	8.20	8.96	9.70	10.07	10.28	10.17	8.74
	7	9.17	8.95	8.53	8.70	8.95	9.83	10.57	11.16	11.45	11.20	10.92	10.48	9.88
	8	10.18	9.72	9.14	9.24	9.19	9.87	10.17	10.77	11.26	11.29	11.15	10.98	10.42
	9	9.33	8.60	7.93	7.83	8.60	9.43	10.19	11.18	11.57	11.84	11.53	11.12	10.13
	10	9.58	9.10	8.64	8.29	8.85	9.33	9.71	10.17	10.67	11.16	10.68	10.31	10.18
	11	8.99	8.28	8.03	8.00	7.98	8.20	9.29	10.19	10.52	10.77	10.73	10.55	9.75
	12	8.45	7.54	7.39	7.88	8.06	7.98	9.14	9.65	9.71	9.77	9.71	9.46	9.34
	13	7.24	6.51	6.24	6.43	7.09	7.64	8.02	8.38	8.81	9.10	9.17	9.03	8.38
	14	7.56	6.82	6.57	6.51	7.13	7.84	8.28	8.80	10.04	9.72	9.72	9.51	8.41
	15	8.59	8.10	7.68	7.35	7.48	7.67	8.30	9.03	9.33	9.40	9.35	9.40	8.85
	16	7.70	7.28	7.60	8.28	8.31	8.41	8.83	9.33	9.78	10.03	10.28	9.78	9.02
	17	8.09	7.40	7.00	6.99	6.94	7.50	7.70	8.63	9.51	9.95	9.82	9.76	8.69
	18	9.54	8.92	8.48	8.13	8.54	9.29	9.71	10.13	10.96	11.03	11.16	11.19	9.79
	19	9.27	8.61	8.06	7.74	8.19	8.51	9.30	9.99	10.51	10.98	11.01	10.38	9.90
	20	8.36	7.84	7.27	7.18	7.61	7.89	8.46	8.83	9.03	9.35	9.38	9.41	9.23
	21	8.29	7.63	7.04	7.09	7.34	7.80	8.34	8.94	9.47	9.75	9.63	9.79	8.72
	22	8.44	7.89	7.18	7.19	7.39	7.66	8.07	8.98	9.60	10.07	10.13	10.05	9.04
	23	8.70	8.13	7.55	7.17	7.75	8.34	9.05	9.66	10.26	10.50	10.48	10.31	9.27
	24	9.04	8.53	7.75	7.82	8.33	8.78	9.77	9.81	10.12	10.46	10.37	10.08	9.50
	25	8.45	8.04	7.24	7.34	7.89	8.10	9.03	9.53	10.41	10.46	10.72	10.30	9.23
	26	8.83	8.28	7.93	7.68	7.88	8.38	8.82	9.53	10.09	10.25	10.27	10.05	9.42
	27	7.75	7.37	6.63	6.93	7.05	7.34	8.45	9.36	9.98	9.79	9.82	9.60	8.69
	28	8.33	7.70	7.04	7.64	8.24	8.64	8.95	9.27	9.56	9.63	9.66	9.32	8.82
	29	8.19	7.95	7.18	7.12	7.70	8.30	9.04	9.73	9.96	10.03	9.78	9.50	8.94
	30	8.23	7.93	7.75	7.62	8.14	8.89	9.53	9.60	9.85	10.18	10.45	10.02	9.12
Hourly Means.		8.35	7.78	7.31	7.37	7.73	8.15	8.78	9.39	9.87	10.04	10.03	9.76	9.01

STANDARD THERMOMETER.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	76.1	76.2	76.0	76.2	75.7	75.4	75.5	76.6	79.0	79.7	80.8	80.0	
	2	75.5	75.5	75.0	74.6	74.4	74.4	75.1	77.2	80.1	82.0	83.7	83.9	—
	3	75.6	75.1	74.7	74.3	73.5	73.5	74.2	76.0	77.7	80.0	82.0	84.2	—
	4	74.5	74.1	74.1	74.0	73.8	74.0	74.6	77.2	80.3	82.5	84.0	86.3	—
	5	74.2	74.0	73.8	73.2	73.0	72.6	73.0	75.8	79.0	81.8	84.0	85.6	—
	6	76.8	76.7	76.0	75.7	75.3	75.0	75.6	77.0	79.0	81.2	82.0	83.0	—
	7	76.0	75.8	75.6	75.3	74.8	74.5	75.0	78.0	81.0	83.0	85.0	86.9	—
	8	74.0	73.6	74.0	73.8	73.4	73.0	73.6	76.0	78.2	80.1	82.0	83.4	—
	9	76.0	75.6	75.6	74.7	74.0	73.2	73.7	75.2	78.7	81.8	83.0	84.3	—
	10	74.0	73.3	73.1	72.9	72.3	72.1	72.8	75.5	79.1	82.3	84.3	86.0	—
	11	76.7	76.0	75.3	75.0	74.4	74.1	74.8	78.0	81.2	83.9	85.5	86.7	—
	12	77.6	77.1	76.6	76.4	76.0	75.6	76.2	79.4	82 0	83.8	85.3	87.3	—
	13	76 3	75.8	75.6	75.7	75.4	75.3	76.1	78.7	81.0	83.0	84.0	86.0	—
	14	75.1	75.1	74.9	74.2	74.2	74.0	75.0	77.7	80 8	83.9	85.0	86.2	—
	15	75.2	75.0	74.8	74.6	74.9	74.9	75.1	76.1	77.5	79.9	81.7	82.0	—
	16	78.5	76.4	76.1	75.9	75.4	75.3	75.0	75.0	76.8	80.2	82.6	84.9	—
	17	75.4	75.2	75.0	74.5	74.3	74.0	74.9	76.1	78.8	82.1	83.8	84.4	—
	18	77.7	76.5	75.7	75.5	75.3	74.1	74.2	74.6	77.4	78.8	80.8	83.3	—
	19	75.6	75.1	74.9	74.3	74.1	74.1	75.0	77.6	80.5	83.3	85 0	86.0	—
	20	76.6	76.2	76.2	76.2	75.0	74.2	74.7	75.5	77.4	80.5	81.5	84.1	—
	21	75.1	75.0	74.8	75.0	74.9	74.7	75.2	77.7	80.4	83 4	84.8	85.4	—
	22	77.0	76.8	76.8	76.0	75.6	75 2	75.9	78.4	80.8	83.0	85.1	86.3	—
	23	77.4	76.7	76.3	75.8	75.8	75.6	76.3	77.8	81.5	84.2	85.7	85.6	—
	24	77.2	76.7	76.7	76.3	76.3	76.0	76.4	78.7	80.6	81.9	83.4	83.2	—
	25	75.8	75.4	75.1	74.9	74.6	74.4	74 9	76.9	80.4	83.2	85.0	86.2	—
	26	77.0	76.5	76.1	75.8	75.7	75.3	76.0	79.5	82.2	84.1	85.2	85.8	—
	27	76.8	76.6	76.2	75.7	75.2	74.6	76.0	79.4	82,4	84.6	86.2	87.7	—
	28	76.6	76.0	76.0	75.8	75.3	75.0	75 4	77.0	79 8	82.5	85.7	86.5	—
	29	75.9	75.6	75.0	74.4	74.0	74.0	75.0	77.1	81.0	84.0	85.0	82.0	—
	30	76.4	76.2	75.6	75.3	75.1	75.0	75.5	77.9	81.3	84.0	86.0	86.0	
	Hourly Means.	76.09	75.66	75.39	75.07	74.72	74.44	75.02	77.12	79 86	82.29	83.94	84.97	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	81.3	83.0	83.0	82.0	81.0	80.1	79.5	79.0	77.9	76.8	76.1	75.7	78.44
	2	84.7	85.0	85.4	83.2	81.7	80.2	79.0	78.5	78.5	77.7	76.7	76.5	79.10
	3	86.3	87.6	87.4	82.5	77.2	77.1	75.5	75.1	74.9	74.5	74.1	73.8	77.78
	4	86.8	88.1	86.4	80.0	75.8	75.8	75.7	75.9	75.5	75.0	75.0	74.6	78.08
	5	86.1	86.1	86.1	84.3	84.1	83.4	82.6	80.8	78.7	78.1	77.1	76.8	79.34
	6	83.7	85.0	84.7	83.1	78.3	77 3	78.0	77.7	77.0	76.6	76.4	76.2	78.64
	7	85.7	80.1	78 8	79.0	79.0	78.0	77.5	76.1	75.5	75.6	75.0	74.5	78.15
	8	84.1	84.1	83.4	82.5	81.6	80 9	78.9	77.9	77.2	77.0	76.4	76.2	78.14
	9	83.3	83.1	84.8	83.6	83.1	81.6	80.5	78.6	77.8	76.4	75.6	74.4	78.69
	10	86.1	85.8	85 0	84.6	83.1	82.0	80.8	79.8	79.0	78.2	77.5	77.1	79.03
	11	87.1	86.0	86.1	85.0	84.2	82.8	81.2	80.6	80 2	79.7	79.6	78.6	80.53
	12	86.7	86.7	86.2	84.2	81.0	79.2	78.3	77.8	77 7	77.0	76.8	76.8	80.07
	13	87.3	87.4	86.2	84.7	80.3	78.9	77.3	77.1	76.9	76 5	76.1	75.9	79.48
	14	86.7	86 7	85.9	84.7	84.0	83.2	82.2	80.2	77.0	75.4	75.5	75.8	79.73
	15	81.9	82.1	82.0	81.5	81.3	80.2	79.4	79.0	79.1	78.9	78.9	78.9	78.54
	16	86.0	86.0	79.6	75.6	75.7	76.0	75.7	75.2	75.3	75 2	75 3	75.5	77.63
	17	85.8	85.4	85.0	84.8	83.6	82.9	81.8	80.7	79.5	79.0	78.7	78.5	79.76
	18	83.2	82.7	82.4	82.3	81.5	80.6	79.8	79.2	78.5	77.7	77.3	76.6	78.57
	19	86.8	86.0	85.4	84.2	83.7	82 6	81.5	80.9	79.6	78.2	77.4	77.0	79.95
	20	85.4	84.7	84.9	83.9	83.4	80.7	78.4	77.2	76.8	76.0	75.4	75.2	78.75
	21	85.9	85.8	85.3	84.5	84.0	83.0	82.0	80.7	79.4	78.8	78.2	77.6	80.07
	22	86.8	87.2	86 3	85 4	84.7	83.2	81.7	80.5	80.5	80.1	79.0	78.4	80.86
	23	87.2	87.0	86.6	86.0	84.8	83.4	81.9	80.3	79.7	78.8	78.2	77.4	80.83
	24	84.2	84.2	84.8	84.0	80.0	79.5	78.0	76.8	76.4	76.2	76.2	76.0	79.15
	25	87.0	86.8	86.0	85.5	84.7	83.7	82.5	81.7	80.5	78.5	77.9	77.5	80.38
	26	86.9	86.9	86.3	85.8	84.8	83.7	81.9	80.2	79.0	78.6	78.2	77.5	80.79
	27	88.8	88.0	88.0	86.7	85.0	84.0	83.2	80.5	78.6	78.0	77.0	76.8	81.08
	28	83.0	83.2	84.8	83.6	83.0	80.2	79.0	78.2	77.4	77.2	76.7	76.3	79.34
	29	83.3	83.3	83.6	83.6	82.4	80.0	79.4	78.9	78.6	78.0	77.5	77.0	79.11
	30	87.6	87.1	86.2	85.5	84.5	82.3	77.7	77.3	77.4	76.6	76 6	75.8	79.95
	Hourly Means.	85 52	85.37	84.89	83.54	82.05	80.88	79.70	78.75	78.00	77.34	76.88	76.50	79.33

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	899	882	899	899	915	914	923	882	839	743	775	781	—
	2	948	948	947	930	939	939	939	892	818	785	734	714	—
	3	847	879	904	912	929	938	913	865	821	723	647	649	—
	4	878	887	887	895	912	912	904	859	797	759	680	682	—
	5	956	965	965	965	955	955	964	899	809	764	694	673	—
	6	924	924	948	957	957	947	914	866	816	799	800	767	—
	7	923	923	898	931	939	947	947	884	813	781	691	658	—
	8	921	929	938	938	946	955	947	865	837	803	764	719	—
	9	940	948	948	947	947	946	947	914	838	757	712	675	—
	10	930	946	946	946	955	955	955	905	779	702	682	662	—
	11	932	940	947	956	956	956	939	885	784	700	672	596	—
	12	900	916	924	923	923	931	932	855	808	749	692	666	—
	13	932	940	940	940	948	947	923	854	791	747	722	643	—
	14	947	947	947	965	965	965	956	892	790	661	718	669	—
	15	966	956	965	965	956	965	957	932	908	856	807	815	—
	16	958	948	966	957	966	966	947	947	899	856	774	738	—
	17	974	966	966	982	982	973	965	940	885	744	727	689	—
	18	941	915	923	931	922	956	870	862	820	831	733	685	—
	19	931	939	939	939	938	938	922	844	775	699	659	630	—
	20	906	906	923	931	956	947	956	931	907	805	771	688	—
	21	939	939	939	939	947	947	939	876	797	693	697	686	—
	22	932	940	924	940	940	947	931	869	813	767	653	607	—
	23	907	916	932	931	948	940	932	908	807	682	674	706	—
	24	924	924	924	932	932	948	948	902	842	800	748	740	—
	25	948	948	956	956	965	956	947	891	819	719	685	643	—
	26	907	923	931	940	931	947	948	879	794	728	691	693	—
	27	924	932	932	931	939	947	915	855	738	676	656	630	—
	28	906	906	898	905	922	930	930	883	825	759	655	632	—
	29	905	889	913	913	921	921	913	859	769	700	697	858	—
	30	948	940	948	957	956	947	931	884	763	701	637	682	—
Hourly Means.		926	929	934	938	944	946	935	886	817	750	708	689	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8 –	9	10	11	12	Daily and Monthly Means.
APRIL.	1	784	760	753	742	755	759	794	823	876	916	931	931	841
	2	669	670	691	703	713	730	808	791	746	789	833	817	812
	3	600	570	623	808	924	924	931	922	913	870	870	887	828
	4	678	627	721	902	923	931	957	957	957	965	956	956	858
	5	669	694	656	742	735	775	823	872	861	876	891	924	837
	6	748	697	743	753	885	891	942	949	940	940	948	940	875
	7	746	903	885	909	853	876	892	899	914	905	922	896	872
	8	707	707	705	744	749	805	862	908	932	940	932	948	854
	9	733	697	645	673	725	770	834	821	852	849	880	930	830
	10	682	648	658	669	718	771	811	870	885	917	932	924	827
	11	635	668	669	665	701	766	836	872	879	902	902	926	820
	12	671	664	675	735	789	793	821	859	867	899	916	906	826
	13	666	705	721	751	848	901	891	891	899	915	931	923	849
	14	627	684	720	737	749	767	815	871	957	947	966	966	843
	15	829	845	822	828	858	895	854	942	894	950	959	959	903
	16	701	714	854	931	940	948	957	966	974	966	974	966	909
	17	668	712	717	717	782	766	814	835	909	933	950	942	856
	18	685	717	758	758	813	857	894	886	908	908	925	932	851
	19	652	649	667	722	734	780	836	872	902	917	916	907	821
	20	647	709	683	720	725	788	845	851	874	931	930	930	844
	21	700	693	678	649	700	745	771	842	894	918	917	925	824
	22	645	659	669	691	696	760	821	872	880	871	885	885	817
	23	673	697	670	629	689	753	807	864	879	877	893	916	818
	24	756	708	703	762	895	918	892	916	932	940	948	948	870
	25	665	703	714	712	709	782	793	844	864	876	892	907	829
	26	671	671	689	673	730	740	741	864	909	908	917	925	823
	27	616	661	668	683	751	790	802	774	830	844	899	891	804
	28	780	802	716	760	780	825	862	884	892	907	916	899	841
	29	781	767	768	782	808	855	878	909	918	933	949	949	856
	30	674	692	714	726	750	807	900	924	941	957	948	957	845
Hourly Means.		692	703	712	743	781	816	849	878	896	909	921	924	843

DIRECTION OF THE WIND.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12
APRIL.	1	C	C	C	C	C	C	C	W	WNW	W	W	W
	2	C	C	W	C	C	C	C	C	W	W	WNW	WNW
	3	C	C	C	C	C	C	SSW	SSW	C	SSW	SSW	SW
	4	WSW	WSW	WSW	C	WSW	WSW	WSW	WSW	SW	S	NW	NW
	5	C	C	C	C	C	C	C	SE	SE	ESE	E	NE
	6	C	C	C	C	C	SE	SE	ESE	E	NNE	NW	NW
	7	C	C	C	C	C	C	C	W	W	WSW	NW	NW
	8	C	C	SSW	C	SSW	SSW	SSW	ESE	ESE	E	E	E
	9	C	C	C	C	C	W	C	W	W	ENE	E	NE
	10	C	C	C	ESE	ESE	ESE	ESE	SE	SE	ENE	E	ENE
	11	C	C	C	C	NE	NE	NE	NE	ESE	SE	NE	ENE
	12	N	N	C	N	C	C	N	N	E	ESE	NE	NNE
	13	C	C	C	C	C	C	SW	SW	SW	SSW	W	SW
	14	C	C	C	C	S	C	S	S	ESE	ENE	ENE	ENE
	15	S	C	C	C	C	C	C	C	SE	ESE	E	E
	16	NE	N	N	N	NNE	ENE	ENE	E	E	SW	SW	N
	17	C	SW	SW	C	C	C	C	C	SW	E	ENE	E
	18	S	S	S	S	SSW	S	S	S	S	S	S	NW
	19	NW	NW	NW	NW	C	NW	C	NW	W	S	ENE	NE
	20	NNE	E	E	E	E	ENE	ENE	S	S	S	SSE	E
	21	C	C	C	C	C	C	S	S	SE	NE	NE	NNE
	22	C	NE	C	C	C	NE	NE	NE	NE	S	E	ENE
	23	C	C	C	C	C	C	C	C	NE	ENE	ENE	NE
	24	C	NE	C	C	C	NE	NE	E	SE	ESE	E	NE
	25	SW	SW	C	C	C	SW	SW	SW	SW	SE	ENE	NE
	26	C	C	C	C	C	S	S	S	E	E	ENE	E
	27	C	C	C	C	C	NE	NE	ENE	ESE	E	ENE	E
	28	C	C	C	C	C	C	C	C	S	E	E	E
	29	C	C	C	C	C	C	C	SW	SE	E	ENE	NNW
	30	C	C	C	C	C	C	C	SSE	S	E	ENE	NE

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12
APRIL.	1	W	W	WNW	W	WNW	WNW	WNW	W	C	C	W	C
	2	NW	WNW	W	SW	SW	SW	SW	SW	SSW	SSW	C	C
	3	SW	SSW	N	WNW	WSW	W	W	WSW	W	WSW	C	C
	4	WSW	WNW	N	SSW	SE	SE	SE	C	C	C	SE	C
	5	N	N	N	N	NE	NE	NE	SE	SSE	SSE	SE	SE
	6	NW	NNW	NNW	WSW	W	C	C	C	C	C	C	C
	7	N	W	WSW	SW	SW	SW	SW	SW	SW	C	C	SSW
	8	E	NE	NNE	N	N	N	WNW	WNW	WNW	WNW	W	C
	9	NE	N	N	N	NNE	N	N	WSW	S	ESE	ESE	ESE
	10	NE	NNE	NNE	NNE	NNE	NE	NE	C	C	NE	NE	C
	11	NNE	N	NNE	NNE	N	N	C	C	C	C	C	N
	12	NE	NNE	N	WSW	SW	SW	SW	C	C	C	C	C
	13	N	NE	NE	N	WNW	S	S	S	S	S	C	C
	14	NE	NNE	NNE	NE	NE	NE	NE	E	E	E	SSE	S
	15	E	NE	NE	NE	NE	C	C	C	C	C	C	C
	16	NNE	N	E	WSW	WSW	WSW	WSW	C	C	C	C	C
	17	NE	NE	NNE	E	E	NE	NE	C	C	C	C	C
	18	NE	N	N	N	N	N	C	N	N	N	N	N
	19	NE	NE	NE	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
	20	NNE	N	NNE	N	N	NW	SW	S	S	C	C	C
	21	NE	NE	NNE	NNE	NNE	NE	NE	NE	C	C	C	C
	22	NE	NNE	NNE	NNE	N	N	C	C	N	N	N	N
	23	NNE	NNE	NNE	NE	NE	NE	NE	C	NE	NE	NE	NE
	24	NE	ENE	ENE	ENE	NNW	NNW	SW	SW	SW	SW	SW	C
	25	NE	N	NNE	NNE	NE	NE	NE	NE	NE	S	S	C
	26	NNE	NE	NNE	NE	NE	NE	NE	NE	C	C	C	C
	27	ENE	N	N	NE	NE	NE	NE	S	S	C	S	C
	28	NE	NE	NE	NNE	NNE	SW	C	C	C	C	C	C
	29	NNE	NNE	NE	ENE	ESE	C	C	C	C	C	C	C
	30	NE	NE	NNE	NE	NNE	W	SSE	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.8	6.4	5.6	4.0	—
	2	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	3.2	5.6	8.0	8.0	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	0.8	1.6	2.4	—
	4	0.8	0.8	0.8	0.0	0.8	1.6	2.4	2.4	3.2	4.0	4.8	4.0	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.0	3.2	4.0	4.8	—
	6	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.8	1.6	3.2	4.8	4.8	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.8	4.8	8.9	11.3	—
	8	0.0	0.0	0.8	0.0	0.8	0.8	2.4	2.4	6.4	7.2	7.2	8.0	—
	9	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	3.2	4.8	4.8	5.6	—
	10	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	3.2	8.0	10.5	9.7	—
	11	0.0	0.0	0.0	0.0	0.8	0.8	0.8	3.2	6.4	6.4	6.4	6.4	—
	12	1.6	0.8	0.0	0.8	0.0	0.0	1.6	4.0	4.8	6.4	8.0	11.3	—
	13	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	0.8	1.6	4.8	—
	14	0.0	0.0	0.0	0.0	0.8	0.0	0.8	2.4	4.0	6.4	8.0	8.0	—
	15	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	8.9	7.2	—
	16	1.6	1.6	1.6	1.6	3.2	1.6	1.6	1.6	2.4	2.4	2.4	4.8	—
	17	0.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	2.4	4.8	8.0	10.5	—
	18	0.8	3.2	3.2	4.0	8.0	4.8	0.8	0.8	1.6	0.8	1.6	4.0	—
	19	2.4	0.8	2.4	1.6	0.0	0.8	0.0	2.4	1.6	3.2	7.2	5.6	—
	20	3.2	2.4	1.6	1.6	3.2	6.4	4.8	4.0	1.6	2.4	0.8	1.6	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	6.4	7.2	9.7	—
	22	0.0	0.8	0.0	0.0	0.0	0.8	1.6	1.6	3.2	3.2	6.4	8.0	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	7.2	9.7	8.9	—
	24	0.0	0.8	0.0	0.0	0.0	0.8	1.6	3.2	3.2	4.0	5.6	8.0	—
	25	0.8	0.8	0.0	0.0	0.0	0.8	1.6	2.4	2.4	4.0	6.4	9.7	—
	26	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	5.6	6.4	6.4	8.0	—
	27	0.0	0.0	0.0	0.0	0.0	1.6	0.8	4.0	7.2	7.2	8.0	9.7	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	6.4	5.6	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	3.2	0.8	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	3.2	2.4	—
Hourly Means.		0.40	0.45	0.40	0.35	0.61	0.83	0.88	1.76	3.04	4.29	5.85	6.59	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	4.0	4.0	5.6	4.8	4.8	3.2	1.6	1.6	0.0	0.0	0.8	0.0	2.27
	2	8.0	8.0	7.2	8.9	4.0	4.0	1.6	3.2	4.8	0.8	0.0	0.0	3.17
	3	2.4	2.4	8.9	8.9	6.4	3.2	6.4	4.0	1.6	0.8	0.0	0.0	2.14
	4	3.2	3.2	6.4	9.7	6.4	0.8	0.8	0.0	0.0	0.0	0.8	0.0	2.37
	5	6.4	9.7	8.0	6.4	3.2	1.6	1.6	5.6	1.6	0.8	4.0	1.6	2.87
	6	6.4	7.2	8.0	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.93
	7	9.7	6.4	2.4	1.6	2.4	0.8	0.8	3.2	1.6	0.0	0.0	0.8	2.51
	8	8.0	11.3	11.3	6.4	1.6	2.4	1.6	0.8	0.8	0.8	0.8	0.0	3.41
	9	7.2	6.4	11.3	8.9	8.0	1.6	1.6	5.6	5.6	4.0	1.6	0.8	3.44
	10	11.3	12.9	12.9	14.5	8.0	4.0	0.8	0.0	0.0	1.6	1.6	0.0	4.29
	11	9.7	11.3	10.5	11.3	5.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	3.38
	12	12.9	11.3	6.4	6.4	4.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.48
	13	5.6	9.7	11.3	12.9	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.0	2.71
	14	8.9	11.3	12.9	12.9	9.7	4.8	0.8	5.6	4.8	1.6	2.4	1.6	4.49
	15	8.0	9.7	9.7	4.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.25
	16	8.0	8.9	12.9	3.2	3.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.68
	17	11.3	8.0	11.3	8.0	2.4	2.4	2.4	0.0	0.0	0.0	0.0	0.0	3.08
	18	4.8	4.8	8.0	6.4	3.2	0.8	0.0	0.8	0.8	1.6	1.6	3.2	2.90
	19	9.7	12.1	10.5	9.7	7.2	1.6	0.8	0.8	2.4	4.0	1.6	3.2	3.82
	20	6.4	9.7	11.3	9.7	4.0	4.0	4.8	4.8	0.8	0.0	0.0	0.0	3.71
	21	9.7	12.1	11.3	9.7	8.0	4.0	1.6	0.8	0.0	0.0	0.0	0.0	3.52
	22	8.0	8.0	10.5	9.7	5.6	0.8	0.0	0.0	0.8	1.6	0.8	0.8	3.01
	23	11.3	11.3	12.1	13.7	10.5	5.6	0.8	0.0	1.6	0.8	0.8	0.8	4.10
	24	8.0	9.7	8.0	8.0	0.8	1.6	3.2	0.8	1.6	0.8	0.8	0.0	2.94
	25	8.9	12.9	13.7	15.3	11.3	4.0	1.6	0.8	5.6	1.6	1.6	0.0	4.43
	26	14.5	12.1	11.3	12.9	8.0	1.6	0.8	0.8	0.0	0.0	0.0	0.0	3.92
	27	13.7	10.5	15.3	8.9	3.2	0.8	0.8	1.6	0.8	0.0	0.8	0.0	3.95
	28	8.0	3.2	4.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.40
	29	3.2	6.4	4.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.93
	20	3.2	8.0	8.9	4.8	0.8	2.4	1.6	0.0	0.0	0.0	0.0	0.0	1.67
Hourly Means.		8.01	8.75	9.56	8.16	4.70	2.11	1.36	1.44	1.23	0.72	0.67	0.45	3.03

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	10	10	9	10	10	10	10	10	10	10	10	10	—
	2	10	9	2	3	8	10	9	7	10	9	10	9	—
	3	9	9	3	7	7	8	9	10	10	9	9	9	—
	4	10	10	10	10	6	6	7	6	7	7	6	5	—
	5	4	6	6	9	9	6	5	2	1	0	0	0	—
	6	9	8	4	3	2	7	9	10	9	9	10	10	—
	7	2	2	1	2	3	3	4	3	4	6	7	8	—
	8	3	9	8	7	7	6	8	6	5	6	6	9	—
	9	7	4	2	4	6	4	5	8	7	6	7	6	—
	10	3	4	2	2	3	2	1	0	0	0	0	0	—
	11	2	2	1	2	1	3	2	3	2	2	3	4	—
	12	3	4	2	2	2	2	4	2	6	5	3	4	—
	13	2	4	4	3	7	9	8	2	2	5	4	7	—
	14	9	6	5	5	4	4	3	2	2	3	6	6	—
	15	10	10	10	10	10	10	10	10	10	7	8	9	—
	16	10	10	10	10	10	10	10	10	6	3	5	7	—
	17	9	5	8	4	4	8	9	7	4	4	3	4	—
	18	7	2	2	3	3	10	10	9	9	10	9	9	—
	19	6	7	8	7	10	6	6	4	2	4	4	7	—
	20	10	10	10	10	10	10	10	10	10	5	8	6	—
	21	9	7	8	7	6	7	4	1	3	5	5	6	—
	22	9	9	2	3	3	3	2	1	5	4	4	5	—
	23	1	1	1	7	4	4	5	9	1	2	2	5	—
	24	6	7	10	8	8	7	6	7	7	6	7	9	—
	25	4	6	5	2	2	2	0	0	0	0	0	0	—
	26	9	6	7	8	7	4	3	2	4	5	5	6	—
	27	2	4	2	2	2	3	2	1	1	1	3	4	—
	28	7	6	9	3	2	3	5	3	2	6	4	3	—
	29	6	6	4	4	6	6	8	7	7	6	7	10	—
	30	6	9	6	8	4	3	0	0	0	0	0	2	—
Hourly Means.		6.5	6.4	5.4	5.5	5.5	5.9	5.8	5.1	4.9	4.8	5.2	6.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	10	8	10	10	10	10	10	10	10	10	10	10	9.9
	2	10	9	10	10	10	10	9	10	10	10	10	10	8.9
	3	7	6	8	10	10	10	10	10	10	10	10	10	8.8
	4	8	7	10	10	10	9	7	5	3	1	2	2	6.8
	5	2	2	3	7	6	7	9	10	9	8	10	9	5.4
	6	8	7	6	10	10	6	9	9	7	4	3	1	7.1
	7	10	10	10	10	10	10	10	10	10	9	6	5	6.5
	8	9	8	8	9	8	10	10	9	10	10	10	9	7.9
	9	9	5	2	2	4	8	9	9	10	10	9	7	6.3
	10	3	3	3	4	6	7	3	4	2	2	3	3	2.5
	11	0	0	0	0	0	2	2	6	4	3	4	2	2.1
	12	3	3	5	9	10	8	10	10	10	10	6	8	5.5
	13	5	4	4	7	10	9	9	10	10	9	9	7	6.3
	14	4	4	7	6	6	7	8	10	10	10	10	10	6.1
	15	10	10	10	10	9	9	5	9	9	10	8	9	9.3
	16	6	5	10	10	10	10	10	9	10	9	10	9	8.7
	17	4	4	7	9	7	4	2	9	7	6	4	9	5.9
	18	9	9	9	9	10	10	10	10	9	10	6	8	8.0
	19	4	2	2	2	2	3	7	6	3	6	9	8	5.2
	20	2	1	1	1	1	7	9	2	2	2	3	6	6.1
	21	2	4	4	3	2	4	6	1	1	1	1	3	4.2
	22	3	2	1	1	1	1	0	10	7	10	10	7	4.3
	23	2	3	3	2	4	4	0	2	4	8	5	4	3.5
	24	9	9	9	10	10	10	10	10	10	9	9	7	8.3
	25	3	2	1	1	2	3	9	8	9	8	7	7	3.4
	26	6	6	6	4	4	6	2	1	1	2	2	2	4.5
	27	3	5	4	3	4	4	10	10	10	10	10	10	4.6
	28	7	8	8	9	9	10	9	9	10	8	6	3	6.2
	29	9	9	9	10	10	10	9	9	6	9	9	4	7.5
	30	4	1	2	2	4	10	10	10	5	4	4	2	4.0
Hourly Means.		5.7	5.2	5.7	6.3	6.6	7.3	7.4	7.9	7.3	7.3	6.8	6.4	6.12

DURATION OF SUNSHINE.

APRIL.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
2	4	3	1	0	3	2	4	4	5	3	0	1	6	0	3	0	2.4
3	0	0	0	0	3	1	3	4	5	6	7	9	6	8	8	6	4.1
4	9	9	6	8	7	7	6	6	8	9	7	6	7	4	1	0	6.3
5	10	10	10	10	10	10	10	10	9	9	9	6	9	10	7	5	9.0
6	0	3	9	8	5	4	5	5	6	4	8	9	8	7	10	10	6.3
7	10	10	10	10	9	9	9	10	8	9	3	0	0	0	0	0	6.1
8	10	10	8	9	9	9	8	4	6	9	5	8	8	10	10	10	8.3
9	3	7	10	10	9	8	8	10	10	7	7	2	9	10	10	10	8.1
10	10	10	10	10	10	10	10	10	9	8	10	9	9	10	10	10	9.7
11	10	10	10	10	10	10	10	10	7	9	9	9	10	10	10	10	9.6
12	10	10	7	10	8	10	10	10	10	10	10	10	10	10	7	0	8.9
13	10	10	9	7	5	4	7	7	5	7	6	8	10	10	10	9	7.8
14	10	10	10	10	10	8	9	9	10	10	10	7	10	10	10	7	9.4
15	1	1	1	2	2	2	2	1	1	1	0	1	3	0	0	0	1.1
16	0	3	7	10	10	8	7	7	6	9	8	6	3	0	0	0	5.3
17	10	10	10	10	10	10	10	10	10	10	9	10	8	9	7	9	9.5
18	2	3	1	0	0	0	0	3	8	2	0	0	3	3	7	9	2.6
19	10	10	10	10	10	10	10	9	7	9	8	10	9	10	10	10	9.5
20	0	0	0	10	10	2	3	10	8	6	10	10	10	10	10	10	6.8
21	10	10	10	10	10	10	10	10	10	10	10	10	9	9	4	8	9.4
22	10	8	4	8	9	10	10	10	10	8	8	10	10	10	10	10	9.1
23	1	9	10	10	10	10	10	7	7	10	10	10	9	10	10	10	8.9
24	9	3	2	2	7	8	4	9	7	6	3	7	9	9	6	6	6.1
25	9	10	10	10	10	10	10	10	10	10	9	10	10	10	10	10	9.9
26	10	10	10	8	5	7	9	7	7	9	10	10	10	10	10	10	8.9
27	10	10	10	10	10	10	10	10	10	10	10	10	7	10	10	10	9.8
28	7	10	10	6	3	10	10	9	10	6	2	6	10	9	9	3	7.5
29	10	10	10	10	10	8	6	2	0	3	5	4	4	4	4	1	5.7
30	10	10	10	10	10	8	10	9	9	6	6	9	10	10	10	10	9.2
Hourly Means.	6.8	7.3	7.2	7.6	7.5	7.2	7.3	7.4	7.3	7.2	6.6	6.9	7.5	7.4	7.1	6.4	7.17

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

APRIL.

Mean Batavia Time.	7^{h}30 A. M.	8	8^{h}30	9	9^{h}30	10	10^{h}30	11	11^{h}30	12	0^{h}30 P. M.	1	1^{h}30	2	2^{h}30	3	3^{h}30	4	4^{h}30
1	26.9	27.9	29.9	39.9	39.4	34.6	39.4	38.8	34.5	36.9	39.4	39.3	39.6	44.3	41.4	35.5	32.4	30.9	29.3
2	33.2	41.3	37.4	40.2	39.4	47.6	44.0	49.3	54.8	50.4	47.8	44.2	46.0	43.8	50.9	40.2	41.9	36.4	31.8
3	30.6	32.0	31.6	36.4	39.2	40.1	43.4	44.5	52.4	46.5	49.6	52.8	48.4	54.7	41.1	53.3	47.6	—	—
4	29.6	40.5	41.2	41.6	44.9	47.9	50.9	49.9	51.0	52.4	49.0	47.2	49.6	51.5	45.4	38.5	38.7	—	—
5	37.4	40.3	40.4	44.4	44.1	50.3	49.9	51.3	51.4	52.4	50.1	50.2	48.2	50.9	50.6	50.9	39.1	38.4	39.7
6	32.4	32.2	35.4	43.4	43.0	44.2	39.4	44.4	43.4	44.2	41.2	48.4	48.7	49.4	49.0	47.0	—	35.8	—
7	36.9	43.4	46.0	48.6	48.9	46.6	51.4	50.2	52.8	53.6	53.2	45.4	35.9	—	—	27.0	27.9	28.1	26.5
8	38.9	39.0	39.0	42.6	46.8	43.4	45.9	50.9	48.2	45.8	48.1	47.8	44.9	43.3	46.2	45.1	44.6	36.9	32.5
9	27.2	31.0	35.4	47.6	49.6	45.9	48.9	48.4	49.8	50.4	47.4	40.8	40.1	40.5	49.8	49.5	48.4	46.3	43.8
10	37.9	43.9	46.9	52.4	48.9	50.4	49.9	50.5	50.9	51.9	52.4	52.8	52.7	49.7	50.9	49.8	50.0	46.1	44.4
11	37.6	44.9	46.4	48.6	48.9	50.9	51.2	53.9	53.4	53.2	53.4	52.9	54.4	52.9	53.1	50.4	51.4	47.4	46.1
12	37.7	44.6	45.6	40.2	49.3	45.6	49.2	52.2	52.3	53.3	53.4	52.4	52.4	52.9	50.9	47.4	36.9	31.5	29.4
13	42.4	44.4	46.4	46.1	47.4	42.5	38.8	47.5	42.9	43.6	47.9	53.6	43.9	52.3	52.4	49.7	47.7	37.1	29.9
14	36.9	44.4	45.4	46.9	48.9	• 51.3	53.4	53.9	54.1	50.9	52.2	51.3	51.9	50.0	49.5	45.8	43.0	38.3	36.0
15	—	27.4	31.2	33.9	36.9	42.3	40.4	42.1	42.0	41.9	41.9	33.2	—	36.6	37.9	34.5	34.4	32.9	31.8
16	25.4	26.0	34.6	39.4	50.4	50.6	52.2	51.9	54.4	49.5	56.0	53.9	47.4	52.4	48.4	—	—	—	—
17	32.8	39.7	44.9	47.2	49.4	50.6	51.4	51.0	50.4	50.0	51.7	52.0	51.0	52.0	49.1	43.9	48.0	49.1	37.0
18	25.4	29.2	39.4	36.6	35.4	34.6	36.9	42.5	41.9	53.8	48.0	41.4	38.4	39.2	40.3	37.8	40.6	38.1	34.1
19	36.9	45.9	46.3	48.7	50.5	52.9	52.9	52.8	52.9	52.9	52.1	52.1	52.1	51.5	50.3	48.6	47.9	45.1	43.4
20	25.9	29.4	32.9	34.9	42.4	50.4	49.6	37.4	49.9	52.4	41.2	51.9	52.4	50.4	49.9	48.9	47.8	44.9	42.4
21	27.4	43.6	46.4	48.9	51.9	53.9	54.4	54.1	51.8	54.4	54.1	53.4	52.4	50.4	49.4	48.8	47.4	45.4	40.4
22	37.4	44.2	45.9	39.2	42.2	52.6	50.9	53.2	52.2	52.6	52.7	48.0	51.1	52.6	50.9	49.6	48.4	46.6	39.4
23	26.9	32.4	37.2	49.1	49.4	51.6	51.9	52.4	53.9	48.4	52.4	52.7	52.3	49.6	50.9	50.1	48.0	45.4	35.4
24	29.4	40.4	38.4	34.9	35.9	41.8	43.4	43.8	41.4	44.9	46.4	44.1	43.0	44.6	46.3	43.9	40.9	—	—
25	34.8	42.4	44.7	47.9	48.9	50.0	50.4	51.9	51.9	51.9	51.9	51.3	51.9	50.9	50.0	48.9	48.0	42.9	35.0
26	35.1	44.4	44.6	45.4	48.9	42.9	39.8	49.9	50.9	40.4	51.1	56.4	54.7	54.4	52.4	48.4	47.4	45.4	40.4
27	42.2	43.9	45.9	47.9	49.2	50.9	51.4	51.9	52.0	51.9	52.4	52.4	52.9	49.8	50.4	50.9	49.2	46.9	34.4
28	27.9	34.1	37.8	45.8	48.9	42.9	51.1	52.7	52.9	52.4	53.2	—	40.2	45.6	46.9	42.4	39.9	35.6	38.8
29	27.9	37.9	41.6	46.3	47.0	53.4	55.5	44.2	42.9	—	33.0	40.5	42.1	40.0	40.4	38.9	38.2	33.4	31.4
30	30.6	43.4	44.9	47.4	49.4	52.3	51.4	53.9	54.4	52.4	52.9	43.7	47.8	51.9	50.8	50.9	48.8	43.3	33.9
Means.	32.81	38.47	40.79	43.75	45.85	47.17	47.98	49.05	49.59	49.49	49.20	48.49	47.81	48.56	48.12	45.40	43.73	40.32	36.29

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	55	61	28	41	52	61	99	55	55	— 11	33	17	—
	2	72	63	63	41	33	50	55	55	36	25	22	25	—
	3	96	72	63	61	83	80	124	91	52	55	55	33	—
	4	47	44	28	41	33	50	63	105	110	47	39	30	—
	5	50	52	55	61	77	91	176	74	63	39	33	25	—
	6	113	121	94	66	55	63	121	138	41	39	33	28	—
	7	61	52	39	41	47	63	118	61	47	30	22	22	—
	8	85	83	58	33	47	74	102	63	52	36	33	36	—
	9	28	17	28	25	19	19	55	105	72	44	36	30	—
	10	—	—	—	—	—	—	—	47	—	—	22	19	—
	11	102	102	143	127	149	61	69	74	28	22	19	17	—
	12	69	94	83	107	74	69	99	66	30	17	11	14	—
	13	63	66	91	88	61	66	96	66	44	17	17	17	—
	14	77	74	83	74	72	66	61	61	25	19	14	11	—
	15	P N	P N	61	69	11	— 28	— 8	63	116	69	30	28	—
	16	P N	P N	P N	P N	184	14	39	124	77	55	22	25	—
	17	61	55	44	61	83	94	121	94	72	25	22	14	—
	18	80	50	63	50	47	33	50	—	—	—	—	—	—
	19	—	—	—	—	—	—	—	61	55	28	25	22	—
	20	52	80	77	P N	P N	N	8	36	19	36	22	22	—
	21	77	74	77	74	74	83	121	80	58	28	28	28	—
	22	83	66	91	99	69	63	72	63	41	25	19	17	—
	23	50	72	83	83	105	63	88	107	69	22	22	25	—
	24	61	52	47	58	52	36	63	52	63	52	33	— 41	—
	25	102	85	96	107	110	91	74	50	36	22	19	17	—
	26	41	58	74	58	69	77	63	—	—	—	—	—	—
	27	—	—	—	—	—	—	—	33	25	22	19	19	—
	28	— 3	19	25	17	19	22	33	55	80	22	11	28	—
	29	28	33	41	19	11	8	28	36	30	11	17	N	—
	30	17	19	19	17	11	17	44	47	30	19	14	17	—
Hourly Means.		62.7	62.6	63.6	60.7	63.3	53.3	75.3	70.1	52.8	30.2	24.8	20.2	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	22	17	19	19	39	50	83	77	58	11	3	30	40.6
	2	19	19	39	30	36	11	—	—	—	63	88	69	43.5
	3	28	30	41	P N	P N	P N	N	74	66	41	50	52	62.4
	4	22	22	28	N	N	198	173	52	96	44	55	50	62.6
	5	30	33	30	N	P N	P N	P N	107	127	94	88	138	72.2
	6	22	25	25	N	P N	135	157	118	132	127	138	83	85.2
	7	17	P N	P N	P N	P N	P N	P N	61	116	113	83	85	59.9
	8	33	33	39	85	107	135	N	36	58	50	41	47	59.4
	9	30	39	41	30	58	162	P N	P N	P N	88	242	—	58.4
	10	22	11	17	19	33	55	80	94	99	94	91	102	53.7
	11	17	19	19	17	25	39	77	149	121	132	96	96	71.7
	12	17	19	P N	P N	P N	P N	P N	157	118	110	85	80	69.4
	13	3	11	8	P N	P N	P N	P N	P N	61	58	66	66	50.8
	14	11	6	8	25	11	149	P N	P N	P N	P N	P N	P N	47.1
	15	14	30	28	28	41	69	66	102	74	47	55	P N	46.0
	16	30	P N	P N	P N	P N	P N	P N	96	77	118	85	50	71.1
	17	25	25	6	— 11	41	52	77	77	129	135	140	118	65.0
	18	—	—	—	—	—	—	—	—	—	—	—	—	53.3
	19	28	22	22	28	14	N	— 14	129	88	72	41	50	41.9
	20	28	33	36	39	55	55	55	52	66	91	88	96	49.8
	21	25	36	30	28	25	44	77	88	151	127	107	113	68.9
	22	19	22	19	28	33	50	118	107	96	63	50	74	57.8
	23	19	22	19	25	36	66	91	127	146	47	61	74	63.4
	24	11	22	28	28	P N	215	P N	80	77	85	88	72	56.1
	25	17	19	19	22	30	91	127	160	74	17	72	50	62.8
	26	—	—	—	—	—	—	—	—	—	—	—	—	62.9
	27	19	14	19	22	11	124	96	206	165	113	88	22	59.8
	28	17	61	58	61	55	135	165	— 19	11	33	30	28	40.1
	29	22	41	83	52	33	N	66	22	44	28	14	17	31.1
	30	14	17	8	19	P N	P N	P N	P N	—	—	—	—	20.6
Hourly Means.		20.8	24.9	27.6	29.7	37.9	96.6	93.4	93.6	93.8	77.0	78.7	69.3	57.62

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	9.91	9.28	9.11	8.92	9.08	9.68	10.28	11.07	11.34	11.21	10.56	9.76	—
	2	9.39	8.93	8.60	8.48	8.45	8.81	9.71	10.10	10.40	10.40	9.88	9.00	—
	3	9.07	8.64	8.49	8.65	8.51	8.66	9.16	9.29	9.48	9.16	8.63	7.97	—
	4	8.70	8.21	8.07	8.25	8.52	8.97	9.18	9.59	9.63	9.34	8.73	8.05	—
	5	8.45	8.15	7.91	7.92	7.73	8.01	8.31	9.06	9.35	9.28	8.85	8.28	—
	6	9.66	9.18	8.98	8.71	8.90	9.07	9.51	9.78	9.99	9.87	9.26	8.55	—
	7	8.95	8.42	8.10	8.01	8.13	8.46	9.00	9.65	9.88	9.81	9.66	9.04	—
	8	8.92	8.43	8.41	8.36	8.41	8.42	8.66	9.09	9.15	8.81	8.52	7.70	—
	9	8.00	7.36	7.12	6.96	6.83	6.91	7.29	7.81	8.05	7.90	7.84	7.61	—
	10	7.79	7.30	7.06	7.22	7.23	7.68	7.98	8.42	8.49	8.50	8.37	7.69	—
	11	8.45	8.05	7.77	7.47	7.68	8.03	8.16	8.66	8.52	8.51	8.39	8.04	—
	12	8.23	7.70	7.41	7.28	7.50	8.34	8.56	9.04	9.71	9.96	10.00	9.44	—
	13	7.58	7.18	7.16	7.43	7.80	7.98	8.18	8.56	8.62	8.38	8.09	7.42	—
	14	7.88	7.48	7.19	7.27	7.64	7.96	8.26	8.73	8.62	8.42	7.83	7.33	—
	15	8.14	8.37	8.81	8.05	7.93	8.06	8.83	9.59	9.50	9.11	8.93	8.40	—
	16	8.85	8.27	8.48	8.26	8.33	8.57	9.16	9.64	9.80	9.26	8.99	8.32	—
	17	8.03	7.67	7.16	7.29	7.56	7.93	8.80	9.37	9.29	9.26	8.78	8.29	—
	18	8.93	8.40	8.13	8.11	8.29	8.72	9.10	9.52	9.78	9.61	9.52	9.05	—
	19	9.56	8.91	8.47	8.33	8.52	8.73	9.42	9.90	10.12	9.78	9.45	8.70	—
	20	8.57	7.86	7.39	7.12	7.33	7.97	8.50	9.26	9.40	9.23	8.83	8.26	—
	21	8.26	8.08	7.83	7.38	7.61	7.91	8.28	8.76	9.08	8.99	8.75	8.33	—
	22	8.84	8.45	8.12	7.98	8.01	8.47	9.13	9.58	9.82	9.68	9.38	8.76	—
	23	9.16	8.82	8.48	8.26	8.43	8.71	9.08	9.67	9.99	9.79	9.40	8.77	—
	24	9.33	9.05	8.65	8.56	8.71	8.96	9.38	9.61	9.76	9.75	9.46	8.90	—
	25	8.73	8.21	7.79	7.52	7.70	8.17	8.67	9.28	9.53	9.44	9.18	8.52	—
	26	8.82	8.23	7.98	7.90	7.99	8.51	8.47	9.35	9.41	9.40	8.95	8.47	—
	27	9.33	8.88	8.80	8.81	9.10	9.47	10.21	10.69	10.73	10.65	10.52	9.87	—
	28	9.98	9.60	9.35	9.17	9.42	9.63	10.13	10.46	10.47	10.45	9.93	9.45	—
	29	9.35	8.87	8.55	8.47	8.57	8.72	8.94	9.44	9.53	9.08	8.77	8.13	—
	30	7.83	7.44	7.51	7.69	7.88	8.08	8.33	9.07	9.14	8.62	8.41	7.80	—
	31	9.43	8.97	8.81	9.00	9.32	9.43	9.68	9.71	9.61	9.25	8.79	8.19	—
Hourly Means.		8.78	8.34	8.12	8.03	8.16	8.48	8.91	9.41	9.55	9.38	9.05	8.45	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	9.14	8.18	7.65	7.31	7.53	7.90	8.55	9.23	9.75	10.14	10.31	10.27	9.42
	2	8.01	7.35	6.83	6.98	7.52	8.24	8.81	9.02	9.91	10.03	10.05	9.66	8.94
	3	7.43	6.88	6.58	6.60	6.75	7.08	7.58	8.35	8.95	9.05	9.18	9.21	8.31
	4	7.20	6.54	6.29	6.29	6.33	6.74	7.81	8.37	8.70	8.66	8.97	8.91	8.17
	5	7.71	7.42	6.77	6.77	6.98	7.53	8.22	8.78	9.51	9.84	9.94	9.67	8.35
	6	7.98	7.36	6.87	6.77	7.13	7.33	7.76	8.57	8.99	9.34	9.42	9.38	8.68
	7	8.19	7.48	6.84	6.55	6.86	7.44	7.90	8.56	9.17	9.64	9.49	9.62	8.54
	8	7.24	6.83	6.08	6.29	6.43	6.94	7.45	7.82	8.39	8.69	8.76	8.48	8.01
	9	6.68	6.29	6.10	6.11	6.47	6.94	7.59	8.56	8.77	9.18	9.01	8.33	7.49
	10	7.19	6.65	6.23	6.35	6.31	6.95	7.43	8.38	8.86	8.60	9.12	8.86	7.69
	11	7.69	6.77	5.92	6.13	6.47	6.75	7.42	8.01	8.69	8.85	8.64	8.53	7.82
	12	8.90	8.38	8.03	8.23	8.21	8.00	8.25	8.48	8.41	8.11	8.01	7.77	8.41
	13	7.07	6.81	6.64	6.61	6.84	7.30	7.62	8.19	8.55	8.61	8.39	8.23	7.72
	14	6.73	6.36	6.21	6.17	6.64	6.87	7.55	8.45	9.04	9.38	9.26	9.13	7.77
	15	7.98	7.41	7.00	7.04	7.38	7.69	8.04	8.48	8.80	9.13	9.16	8.93	8.37
	16	7.48	6.99	6.64	6.71	6.80	7.13	7.84	8.42	8.68	8.76	8.97	8.58	8.29
	17	7.90	7.23	6.73	6.60	6.87	7.54	8.25	8.90	9.53	9.83	9.71	9.65	8.26
	18	8.54	7.94	7.57	7.44	7.94	8.48	8.70	9.13	9.80	10.21	10.35	10.20	8.89
	19	7.99	7.47	6.85	6.94	7.07	7.45	8.19	8.82	9.28	9.45	9.40	9.28	8.67
	20	7.53	6.94	6.44	6.57	6.80	7.39	7.63	8.11	8.64	8.56	8.51	8.32	7.97
	21	7.58	6.96	6.73	6.65	6.93	7.25	7.95	8.48	8.90	9.21	9.56	9.46	8.12
	22	8.09	7.43	6.88	6.95	7.12	7.73	8.10	8.80	9.32	9.78	9.98	9.77	8.59
	23	8.55	7.82	7.47	7.64	7.74	7.95	8.51	9.00	9.56	10.07	10.09	9.75	8.86
	24	8.05	7.37	6.95	6.95	7.28	7.67	8.26	8.88	9.23	9.41	9.21	9.18	8.69
	25	7.89	7.13	6.74	6.58	6.97	7.49	8.06	8.51	9.09	9.26	9.08	9.00	8.27
	26	7.76	7.53	7.20	7.21	7.30	7.64	8.04	8.69	9.13	9.51	9.70	9.78	8.46
	27	9.20	8.52	8.22	8.26	8.57	9.13	9.50	10.10	10.60	10.81	10.78	10.62	9.64
	28	9.04	8.64	8.13	8.19	8.45	8.89	9.23	9.74	10.20	10.37	10.25	9.83	9.54
	29	7.39	6.78	6.58	6.70	6.84	7.17	7.83	8.36	8.75	8.73	8.55	8.20	8.26
	30	7.71	7.15	7.04	7.23	7.36	7.80	8.13	8.69	9.08	9.48	9.73	9.60	8.20
	31	7.68	7.42	7.47	7.57	7.68	8.35	9.12	9.75	10.34	10.55	10.20	9.97	9.01
Hourly Means.		7.86	7.29	6.89	6.92	7.15	7.57	8.11	8.70	9.18	9.39	9.41	9.23	8.43

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	75.4	75.2	75.0	74.9	74.9	75.1	75.6	77.3	80.2	83.2	84.8	85.8	—
	2	79.0	78.2	77.6	77.4	76.8	76.6	77.4	79.7	82.0	83.7	84.6	85.0	—
	3	76.8	76.9	76.9	76.4	75.9	75.7	76.3	78.6	81.7	84.8	85.6	87.2	—
	4	77.9	77.7	77.6	77.0	76.4	76.2	77.0	79.7	82.2	85.0	86.8	88.0	—
	5	78.2	78.2	78.0	77.6	77.2	76.5	76.7	79.0	81.8	84.0	86.8	87.7	—
	6	77.4	76.7	76.4	76.0	75.4	74.8	75.1	77.0	79.0	82.6	85.0	87.2	—
	7	78.7	78.1	77.5	76.7	76.2	75.9	76.2	78.1	81.1	83.0	84.4	85.3	—
	8	76.5	76.0	75.7	75.5	75.1	75.2	76.2	78.2	80.5	83.0	85.0	86.2	—
	9	77.7	77.3	77.3	77.0	76.6	76.3	76.5	77.3	79.7	85.0	84.7	86.4	—
	10	76.2	76.2	76.2	76.0	75.8	75.6	75.7	76.7	78.5	80.0	80.7	81.6	—
	11	75.6	75.3	75.5	75.2	75.1	75.1	75.0	76.8	80.2	83.2	85.2	86.2	—
	12	78.8	78.2	77.6	77.4	77.2	77.0	77.5	79.0	81.1	82.2	83.4	84.6	—
	13	76.0	75.8	75.4	74.6	74.1	73.8	73.6	76.7	80.1	83.5	85.6	86.8	—
	14	76.0	74.5	73.6	73.2	72.9	72.6	73.6	77.4	82.4	85.4	87.5	88.7	—
	15	76.0	75.8	75.0	74.2	74.0	73.4	73.7	75.0	79.5	83.5	85.5	86.4	—
	16	76.2	75.6	75.2	74.5	74.0	73.6	73.9	76.3	79.9	83.1	86.0	87.0	—
	17	77.1	75.7	75.1	75.2	75.0	74.2	75.0	77.8	81.6	84.4	87.1	88.2	—
	18	78.0	77.2	76.9	76.5	76.0	75.4	76.1	78.6	82.2	84.9	86.2	87.6	—
	19	76.2	75.8	75.6	74.8	74.0	73.8	74.5	77.0	80.9	83.8	86.0	87.4	—
	20	77.1	76.1	76.1	75.3	75.1	74.3	74.9	77.2	80.0	82.7	85.2	86.2	—
	21	78.1	78.1	77.9	76.9	76.2	75.5	76.1	79.3	82.3	84.0	85.9	87.1	—
	22	75.6	75.0	74.4	73.6	73.0	72.4	72.6	75.2	80.1	83.2	85.6	87.4	—
	23	75.7	75.3	74.7	74.3	73.8	73.2	74.4	77.4	81.0	84.0	86.2	88.0	—
	24	78.2	77.8	77.0	76.5	76.0	75.8	76.5	79.0	82.0	85.2	87.0	88.3	—
	25	76.9	76.3	75.8	75.2	74.8	74.6	75.0	77.4	81.2	83.4	85.3	86.9	—
	26	77.6	77.7	77.2	76.6	76.6	75.9	76.4	79.0	82.4	84.3	85.7	87.1	—
	27	77.8	77.3	76.7	76.2	76.0	75.6	76.0	78.2	80.5	84.0	86.1	87.2	—
	28	77.7	76.3	75.1	74.5	73.9	73.3	74.1	76.6	80.2	82.0	82.7	85.7	—
	29	76.8	76.0	75.1	74.5	73.8	73.0	73.1	75.7	78.6	81.0	82.7	84.0	—
	30	74.3	74.1	73.3	72.5	71.3	71.0	71.3	74.6	79.1	82.0	84.5	86.0	—
	31	77.4	76.4	75.4	74.9	74.4	74.2	74.5	78.6	82.0	84.3	86.3	87.3	—
Hourly Means.		77.00	76.48	76.03	75.52	75.08	74.70	75.18	77.56	80.77	83.50	85.29	86.60	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	86.9	87.5	87.3	86.0	85.1	83.5	82.1	80.9	80.0	79.8	79.9	79.6	80.67
	2	86.3	87.3	87.0	85.8	85.0	80.2	78.4	77.7	76.9	77.0	77.0	77.0	80.57
	3	88.0	87.4	87.2	86.9	85.7	84.0	82.6	80.8	80.4	79.4	79.0	78.2	81.35
	4	88.0	87.7	86.7	86.0	85.1	83.6	82.4	80.7	79.3	78.6	78.3	78.2	81.50
	5	88.4	87.6	88.0	87.0	85.9	84.7	83.2	81.7	80.2	79.1	78.4	78.0	81.83
	6	87.9	88.1	88.3	88.1	85.3	84.2	82.7	81.4	80.2	79.4	79.7	79.3	81.13
	7	87.0	87.2	86.4	85.9	85.0	84.0	83.0	82.6	81.7	81.4	80.0	76.5	81.33
	8	87.7	86.9	87.2	86.8	85.4	84.2	81.8	80.3	79.4	79.2	78.5	78.2	80.78
	9	87.5	86.9	85.9	85.9	85.1	80.6	79.4	79.0	78.1	78.0	77.6	76.8	80.53
	10	81.8	82.2	82.2	80.0	79.9	79.4	79.0	78.8	79.1	77.9	77.6	75.6	78.45
	11	83.3	84.5	87.2	85.7	84.6	83.3	82.4	81.2	80.8	80.4	79.9	79.4	80.46
	12	84.7	84.7	85.3	81.0	81.0	80.2	79.2	78.2	77.6	77.2	76.5	76.0	79.82
	13	86.7	87.7	87.5	87.2	85.3	83.2	81.5	80.1	78.9	77.5	76.4	76.2	80.18
	14	89.3	90.3	90.1	88.3	85.6	83.3	82.0	81.2	79.4	78.2	78.1	76.8	80.85
	15	87.2	86.6	87.5	86.7	84.7	83.0	81.0	79.8	78.6	77.6	77.2	76.4	79.93
	16	88.0	89.1	89.1	87.5	86.5	84.8	83.0	81.4	80.1	79.3	78.5	77.9	80.85
	17	89.0	87.8	86.6	86.0	84.6	83.2	82.2	81.3	80.3	80.0	79.5	78.5	81.06
	18	88.3	88.4	89.0	88.0	86.2	84.0	82.7	80.7	79.9	78.2	77.4	76.8	81.47
	19	89.0	89.4	89.8	87.7	85.7	84.0	83.1	81.3	80.4	80.1	79.0	78.1	81.14
	20	87.0	87.0	85.8	84.2	83.3	82.7	81.3	80.0	79.6	78.7	78.2	78.2	80.26
	21	87.6	88.5	87.5	86.4	85.4	83.5	81.9	79.9	79.1	78.0	77.2	76.2	81.19
	22	88.0	87.0	86.2	86.0	85.7	83.8	82.2	80.5	79.0	78.2	77.2	76.5	79.93
	23	89.2	87.5	87.6	86.5	86.0	84.3	83.0	82.0	80.4	79.9	79.5	79.1	80.96
	24	88.1	87.5	87.1	86.8	85.2	83.5	82.5	81.2	80.3	79.6	78.7	78.1	81.58
	25	87.4	86.9	86.8	86.1	84.7	83.3	80.4	79.0	78.3	77.7	77.7	77.7	80.37
	26	88.0	86.4	86.4	85.5	83.8	83.0	82.0	80.7	79.7	79.1	78.9	78.3	81.18
	27	88.2	87.2	86.0	85.5	84.9	83.7	82.7	81.8	81.0	80.5	79.8	78.5	81.31
	28	86.4	86.8	86.0	85.3	84.1	82.6	81.1	79.9	79.4	78.8	78.0	77.8	79.93
	29	85.0	85.6	84.8	83.6	82.6	81.6	80.4	79.1	78.3	76.8	75.4	74.7	78.84
	30	85.3	85.0	83.8	83.8	83.2	81.9	80.6	79.0	78.6	78.6	78.6	78.2	78.78
	31	87.5	87.0	86.8	85.6	84.8	83.3	82.3	81.1	80.0	79.0	78.0	77.6	80.78
Hourly Means.		87.18	87.09	86.87	85.86	84.69	83.05	81.68	80.43	79.52	78.81	78.25	77.56	80.61

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	966	947	956	947	956	956	948	925	864	782	690	611	—
	2	926	933	933	932	940	948	941	887	815	727	696	718	—
	3	932	940	940	948	957	957	948	885	764	717	680	635	—
	4	933	933	941	940	940	940	932	871	808	705	658	638	—
	5	893	893	908	907	900	924	899	832	778	735	633	606	—
	6	916	924	923	915	922	922	905	900	863	723	665	568	—
	7	909	908	892	899	899	906	890	846	791	753	689	672	—
	8	899	915	923	922	922	939	906	885	835	739	691	656	—
	9	907	916	916	924	924	915	915	892	855	759	724	657	—
	10	931	923	923	923	940	931	931	907	885	811	812	807	—
	11	940	966	974	974	966	966	966	957	872	754	679	656	—
	12	846	876	900	916	916	932	925	878	828	808	699	619	—
	13	948	915	922	930	947	938	929	851	774	686	617	602	—
	14	793	854	877	903	910	893	869	774	649	621	581	587	—
	15	856	872	913	921	921	929	921	872	787	665	621	582	—
	16	915	914	914	904	912	911	903	874	818	725	618	592	—
	17	875	889	905	888	888	904	888	844	736	637	580	585	—
	18	868	883	891	899	906	914	873	831	758	639	600	570	—
	19	906	915	914	922	930	929	904	819	755	693	588	552	—
	20	891	915	889	888	871	896	904	828	788	738	679	613	—
	21	933	933	876	906	915	939	923	801	589	564	573	508	—
	22	905	897	870	894	902	910	902	863	759	665	585	581	—
	23	898	888	897	896	903	911	870	812	698	617	595	578	—
	24	908	908	924	924	923	923	924	863	730	634	610	573	—
	25	924	923	923	939	930	930	913	867	741	679	640	609	—
	26	900	892	891	906	915	923	906	831	702	669	661	598	—
	27	908	932	932	931	931	931	915	869	783	635	593	635	—
	28	907	873	880	888	877	886	861	810	760	736	752	655	—
	29	906	923	930	921	912	910	902	872	822	798	731	700	—
	30	947	947	946	928	918	917	891	822	786	743	650	599	—
	31	875	890	905	913	912	912	904	831	728	656	619	598	—
Hourly Means.		905	911	914	918	920	924	910	858	778	704	652	618	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	646	673	679	720	731	789	844	880	903	910	903	918	839
	2	689	654	665	667	690	722	768	828	874	883	883	916	818
	3	626	673	659	684	726	761	800	864	887	909	918	917	822
	4	670	688	709	714	711	761	823	826	862	885	884	893	819
	5	585	643	662	633	693	716	767	828	879	885	908	908	792
	6	632	596	603	602	698	708	772	813	879	886	886	894	796
	7	653	659	676	681	710	769	817	823	866	881	895	890	807
	8	600	685	673	703	712	762	741	766	816	839	853	884	803
	9	630	633	674	688	745	804	847	853	876	876	892	899	822
	10	844	830	852	935	887	902	918	926	918	917	941	923	897
	11	754	771	616	673	723	789	779	843	812	804	817	847	829
	12	606	654	653	812	820	841	878	908	917	924	932	948	835
	13	620	680	635	616	659	732	798	833	853	835	857	833	792
	14	572	582	558	609	572	671	713	725	785	813	775	833	730
	15	622	595	617	639	708	766	842	870	885	892	900	906	796
	16	595	547	570	660	676	743	780	843	871	886	901	884	790
	17	570	636	631	636	675	703	721	762	818	817	832	861	762
	18	579	615	558	559	636	741	758	818	840	876	891	899	767
	19	525	516	506	606	679	727	759	827	856	848	869	867	767
	20	610	603	681	707	739	759	805	848	878	893	917	925	803
	21	558	528	563	607	589	625	679	786	807	867	883	898	744
	22	513	585	563	562	616	653	721	796	815	821	851	865	754
	23	548	647	617	631	688	742	780	799	849	848	878	885	770
	24	608	623	597	614	659	733	765	805	825	870	877	892	780
	25	617	627	608	642	676	732	795	838	868	884	884	892	795
	26	656	676	670	712	755	781	814	872	886	902	909	917	806
	27	626	666	707	615	676	719	723	771	812	834	855	877	787
	28	595	591	636	639	674	716	775	833	847	862	892	884	785
	29	677	673	665	699	723	749	788	838	845	857	897	896	818
	30	672	684	686	686	677	777	804	862	869	861	869	884	809
	31	642	633	608	615	676	747	778	783	824	846	867	883	777
Hourly Means.		624	641	639	663	697	746	786	828	856	868	881	891	797

DIRECTION OF THE WIND.

MAY.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
1	C	C	C	C	C	C	C	C	SW	NNW	N	E
2	C	C	C	C	C	C	C	NE	N	N	N	NNE
3	C	C	C	C	C	C	C	C	S	E	ENE	NE
4	C	C	C	C	C	C	NE	SE	S	ESE	ESE	NE
5	C	S	C	S	C	C	SSE	SSE	S	W	ENE	NE
6	C	C	C	C	C	C	NE	C	NE	E	S	SW
7	C	C	C	C	NNE	NNE	C	NNE	NNE	N	N	NNW
8	C	SW	SW	SW	SSE	C	C	SSE	S	NW	NW	NW
9	C	C	C	SW	SW	SW	C	SW	SSE	SE	ENE	E
10	SE	C	C	C	C	SE	SE	SE	SE	SE	SE	SE
11	E	C	C	C	C	C	C	E	SE	ESE	ESE	ESE
12	C	C	C	C	C	C	C	C	E	E	E	E
13	E	E	C	C	C	E	E	S	SSE	E	ESE	ESE
14	E	C	E	C	C	C	E	SSE	SE	E	E	ESE
15	C	C	C	C	C	C	C	E	SE	SE	E	E
16	C	C	C	C	C	C	NNE	NNE	NNE	NE	ESE	E
17	C	E	E	C	C	C	E	SSE	S	SSW	ENE	E
18	C	C	C	C	C	C	NNE	NE	ESE	ENE	NE	NE
19	C	C	C	NE	NE	C	C	SE	S	SSW	SSE	ENE
20	C	NNE	NNE	NNE	C	C	NNE	NNE	NNE	N	NE	NNE
21	N	N	NE	C	C	C	C	NE	S	S	S	ENE
22	C	NE	NE	C	C	NE	NE	NE	E	E	E	NE
23	C	C	NE	C	C	NE	NE	E	E	E	NE	ENE
24	C	C	C	C	C	C	NE	NE	ENE	E	ENE	NE
25	C	C	C	C	C	C	NE	NW	ENE	ENE	ENE	ENE
26	SSW	SSW	C	C	C	C	SSW	SSW	ESE	E	NE	NE
27	C	C	C	C	C	C	C	C	NE	NE	NE	NE
28	NNE	NNE	NNE	NNE	NNE	N	N	SW	SSW	WNW	WNW	N
29	C	C	C	C	C	C	N	N	N	NNW	WNW	NW
30	C	C	C	C	NNW	NNW	W	SW	SW	E	E	E
31	C	C	C	N	C	N	N	SE	E	ESE	E	NE

MAY.

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
1	ENE	NE	NE	NE	NNE	NE	C	C	C	C	C	C
2	NNE	NNE	N	N	NNW	SSW	C	C	C	SSW	S	C
3	ENE	ENE	ENE	NE	NE	NE	C	C	C	C	C	C
4	NE	N	NNE	NNE	NE	NE	NE	S	S	S	S	C
5	ENE	NNE	NE	NNE	N	NE	C	C	C	C	C	C
6	N	NE	NNE	NNE	NNE	NNE	C	C	C	C	C	C
7	N	N	N	N	N	N	C	C	C	C	N	SW
8	NNW	NNE	N	N	N	N	SW	C	C	C	C	C
9	ENE	E	SE	E	E	SE	SE	C	SE	C	C	SE
10	ENE	ENE	ENE	SE	C	C	C	C	SE	ENE	ENE	E
11	NE	E	E	SE	E	E	E	E	E	E	E	C
12	ENE	ENE	ENE	NE	ENE	ENE	ENE	ENE	ENE	ENE	ENE	E
13	ENE	ENE	ENE	E	E	E	E	E	C	C	E	E
14	ENE	ENE	ENE	ENE	E	E	E	E	C	E	C	C
15	ENE	E	NE	NE	NNE	NNE	C	C	C	C	C	C
16	SE	ENE	E	N	NE	E	E	C	C	C	C	C
17	NE	NE	NE	NNE	NNE	NNE	NNE	C	C	C	C	C
18	NE	NE	ENE	ENE	ENE	NE	NE	C	C	C	C	C
19	E	E	E	N	NNE	NNE	C	C	C	C	C	C
20	N	NNE	N	N	N	N	C	C	C	C	N	N
21	ENE	ENE	NE	NE	NE	NE	C	C	C	C	C	C
22	ENE	N	NNE	N	N	NE	NE	NE	NE	C	C	C
23	ENE	NE	N	N	NNE	NE	NE	NE	NE	NE	C	C
24	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	C	C	C
25	NE	NE	NNE	NE	NE	NNE	SSW	SSW	SSW	SSW	SSW	SSW
26	NE	NNE	NNE	NNE	NE	NE	NE	C	C	C	C	C
27	NNE	NNE	NNE	NNE	N	N	NNE	C	C	C	C	C
28	N	NNW	N	NNW	N	N	C	C	C	C	C	N
29	NNE	NNE	N	N	N	NNW	C	C	C	C	C	C
30	N	N	N	NE	N	C	C	C	C	C	C	C
31	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE	C	C	NE

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	4.0	—
	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.8	0.8	0.8	2.4	—
	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	4.8	5.6	—
	4	0.0	0.0	0.0	0.0	0.0	0.0	0.8	4.0	2.4	4.0	3.2	5.6	—
	5	0.0	0.8	0.0	1.6	0.0	0.0	0.8	0.8	1.6	1.6	5.6	8.0	—
	6	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.8	1.6	1.6	1.6	—
	7	0.0	0.0	0.0	0.0	0.8	0.8	0.0	1.6	1.6	0.8	1.6	0.8	—
	8	0.0	0.8	1.6	1.6	0.3	0.0	0.0	0.8	1.6	4.0	5.6	6.4	—
	9	0.0	0.0	0.0	0.8	0.8	0.8	0.0	0.8	4.8	7.2	9.7	10.5	—
	10	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.6	0.8	3.2	1.6	1.6	—
	11	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	8.9	16.9	19.3	19.3	—
	12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	5.6	8.0	—
	13	1.6	3.2	0.0	0.0	0.0	0.8	3.2	4.8	5.6	8.9	10.5	10.5	—
	14	0.8	0.0	0.8	0.0	0.0	0.0	0.8	1.6	9.7	12.9	13.7	12.9	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6	4.8	10.5	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	3.2	8.0	8.0	—
	17	0.0	1.6	1.6	0.0	0.0	0.0	2.4	2.4	4.0	4.0	8.9	8.9	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	6.4	8.0	11.3	—
	19	0.0	0.0	0.0	0.8	1.6	0.0	0.0	3.2	4.8	4.8	4.8	6.4	—
	20	0.0	0.8	0.8	0.8	0.0	0.0	1.6	1.6	1.6	1.6	6.4	8.0	—
	21	0.8	1.6	1.6	0.0	0.0	0.0	0.0	1.6	6.4	6.4	4.8	8.0	—
	22	0.0	0.8	0.8	0.0	0.0	1.6	1.6	1.6	3.2	4.0	5.6	8.9	—
	23	0.0	0.0	0.8	0.0	0.0	0.8	1.6	1.6	0.8	4.8	9.7	10.5	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	2.4	4.8	7.2	8.0	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	6.4	7.2	8.0	—
	26	3.2	0.8	0.0	0.0	0.0	0.0	0.8	0.8	7.2	8.9	9.7	11.3	—
	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	8.9	6.4	—
	28	0.8	1.6	1.6	0.8	2.4	2.4	3.2	3.2	3.2	0.8	2.4	6.4	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	0.8	1.6	2.4	3.2	—
	30	0.0	0.0	0.0	0.0	0.8	0.8	1.6	1.6	4.8	5.6	4.0	2.4	—
	31	0.0	0.0	0.0	0.8	0.0	0.8	1.6	4.0	8.0	9.7	7.2	10.5	—
Hourly Means.		0.28	0.39	0.31	0.23	0.23	0.31	0.93	1.57	3.23	4.79	6.32	7.55	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	4.8	4.8	4.8	4.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.30
	2	5.6	10.5	8.0	5.6	3.2	3.2	0.0	0.0	0.0	0.8	0.8	0.0	1.87
	3	9.7	8.0	7.2	5.6	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.07
	4	8.0	9.7	13.7	12.9	8.0	1.6	3.2	4.0	0.8	1.6	0.8	0.0	3.51
	5	10.5	8.9	7.2	7.2	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.54
	6	4.8	6.4	5.6	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.40
	7	3.2	4.0	4.0	2.4	3.2	0.8	0.0	0.0	0.0	0.0	4.8	6.4	1.53
	8	7.2	11.3	8.0	8.0	4.0	2.4	1.6	0.0	0.0	0.0	0.0	0.0	2.74
	9	9.7	8.0	5.6	4.0	3.2	1.6	0.8	0.0	0.8	0.0	0.0	0.8	2.91
	10	3.2	3.2	2.4	3.2	0.0	0.0	0.0	0.0	3.2	2.4	4.0	6.4	1.63
	11	8.0	11.3	12.9	8.9	6.4	3.2	3.2	1.6	2.4	1.6	0.8	0.0	5.30
	12	12.1	11.3	13.7	12.1	6.4	1.6	0.8	0.8	0.8	0.8	1.6	1.6	3.32
	13	10.5	9.7	8.0	12.1	8.9	6.4	2.4	0.8	0.0	0.0	0.8	0.8	4.56
	14	12.1	13.7	14.5	16.1	11.3	3.2	1.6	0.8	0.0	0.8	0.0	0.0	5.30
	15	12.9	10.5	7.2	6.4	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.61
	16	9.7	8.9	9.7	7.2	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	2.95
	17	9.7	11.3	10.5	7.2	3.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.25
	18	12.9	9.7	12.1	12.9	8.0	1.6	1.6	0.0	0.0	0.0	0.0	0.0	3.79
	19	6.4	6.4	8.9	9.7	8.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.78
	20	8.0	9.7	10.5	8.9	3.2	0.8	0.0	0.0	0.0	0.0	0.8	0.8	2.75
	21	7.2	10.5	8.9	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.91
	22	9.7	9.7	11.3	8.9	6.4	4.0	1.6	0.8	0.8	0.0	0.0	0.0	3.39
	23	13.7	14.5	11.3	8.9	8.9	5.6	3.2	0.8	0.8	1.6	0.0	0.0	4.16
	24	12.9	15.3	15.3	15.3	15.3	3.2	0.8	0.8	0.8	0.0	0.0	0.0	4.35
	25	9.7	12.9	12.9	12.1	8.9	4.8	3.2	3.2	0.8	1.6	0.8	0.8	4.15
	26	12.1	11.3	12.1	12.1	8.9	4.0	3.2	0.0	0.0	0.0	0.0	0.0	4.43
	27	8.9	9.7	12.9	11.3	5.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.02
	28	8.0	8.9	9.7	7.2	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.8	2.94
	29	8.9	10.5	9.7	9.7	6.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.38
	30	6.4	10.5	6.4	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.14
	31	12.1	15.3	15.3	12.1	8.9	3.2	0.8	0.8	0.8	0.0	0.0	0.8	4.70
Hourly Means.		8.99	9.88	9.69	8.75	5.96	2.14	0.98	0.46	0.39	0.36	0.49	0.62	3.12

CLOUDS.

CLEAR = 0 — OVERCAST = 10.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	2	6	7	4	9	9	6	5	4	3	2	3	—
	2	2	2	4	5	2	4	5	2	3	5	7	4	—
	3	6	8	7	2	1	3	5	3	2	3	6	4	—
	4	2	2	2	6	2	2	2	0	2	3	3	4	—
	5	6	9	9	7	6	3	0	0	0	0	2	6	—
	6	2	1	3	1	2	4	2	2	1	1	2	3	—
	7	2	2	1	1	4	8	9	9	9	10	9	9	—
	8	7	7	8	8	8	8	2	2	2	1	3	4	—
	9	4	9	10	10	10	10	9	9	9	5	8	8	—
	10	3	6	7	7	3	4	10	10	10	10	10	10	—
	11	7	9	8	4	5	10	10	8	4	3	3	6	—
	12	10	7	9	9	9	10	10	10	10	10	10	10	—
	13	3	4	2	4	2	1	5	5	5	2	2	9	—
	14	0	0	0	1	3	1	2	1	1	0	0	1	—
	15	1	2	1	0	0	1	5	7	3	6	3	8	—
	16	3	2	4	2	2	5	3	3	3	4	4	4	—
	17	3	2	2	5	3	5	4	3	3	2	2	4	—
	18	3	1	2	3	3	7	2	2	1	1	1	4	—
	19	1	4	3	4	4	5	3	1	1	1	2	2	—
	20	1	4	2	3	4	3	1	2	0	4	4	5	—
	21	10	10	10	4	6	9	9	3	2	2	2	3	—
	22	1	7	3	2	2	4	5	2	1	2	1	2	—
	23	1	1	1	2	1	1	2	1	1	0	0	2	—
	24	1	2	1	4	3	4	3	1	0	1	1	2	—
	25	1	0	0	1	1	2	0	0	0	2	0	2	—
	26	10	9	7	8	9	8	2	1	0	2	3	4	—
	27	10	5	4	1	3	6	8	3	3	2	1	3	—
	28	1	0	0	1	1	0	1	0	0	5	6	1	—
	29	6	4	6	5	4	6	4	6	7	8	7	7	—
	30	1	1	0	2	2	2	2	1	2	3	5	5	—
	31	5	3	4	3	6	7	7	2	1	0	2	3	—
Hourly Means.		3.7	4.2	4.1	3.8	3.9	4.9	4.5	3.4	2.9	3.3	3.6	4.6	—

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	2	0	0	0	0	4	1	1	2	4	8	6	3.7
	2	2	2	1	1	5	4	7	5	10	10	8	7	4.5
	3	9	7	4	2	2	3	1	1	1	0	3	3	3.6
	4	4	2	2	1	1	4	5	2	3	4	4	8	2.9
	5	1	1	1	1	3	2	2	2	1	1	1	2	2.8
	6	6	3	2	1	3	6	2	2	1	2	7	2	2.5
	7	8	6	6	3	4	3	1	4	10	10	10	10	6.2
	8	4	3	2	3	3	7	4	4	8	9	4	4	4.8
	9	8	9	10	9	10	9	7	4	6	5	2	2	7.6
	10	9	9	9	10	9	10	10	10	10	10	10	10	8.6
	11	10	6	4	4	8	7	9	7	8	7	10	9	6.9
	12	9	7	8	10	10	10	3	4	6	7	5	6	8.3
	13	7	9	6	4	3	4	1	2	2	1	1	1	3.5
	14	2	2	1	0	0	3	2	1	1	0	2	1	1.0
	15	7	6	3	7	4	3	1	1	2	2	3	1	3.2
	16	7	5	2	1	1	4	3	5	3	1	3	3	3.2
	17	3	3	4	4	5	4	7	8	10	10	10	6	4.7
	18	6	6	4	6	6	7	2	2	2	1	3	4	3.3
	19	2	1	1	0	2	4	9	5	6	3	3	2	2.9
	20	2	3	4	8	8	9	9	9	7	7	9	9	4.9
	21	2	1	1	1	1	5	7	6	3	1	1	1	4.2
	22	1	0	0	0	1	2	1	1	1	6	7	4	2.3
	23	2	3	3	4	4	4	1	0	0	9	9	7	2.5
	24	2	1	1	4	2	4	4	8	4	4	3	3	2.6
	25	2	1	1	1	3	9	3	5	4	5	9	10	2.6
	26	4	4	2	2	6	7	7	3	3	2	4	7	4.8
	27	3	6	4	3	4	4	7	10	10	10	6	6	5.1
	28	2	2	1	1	2	4	2	2	4	3	4	3	1.9
	29	3	4	4	5	5	4	2	2	3	1	1	2	4.4
	30	7	4	7	5	6	7	2	3	5	8	10	4	3.9
	31	3	0	0	0	0	4	6	4	1	1	2	3	2.8
Hourly Means.		4.5	3.7	3.2	3.3	3.9	5.2	4.1	4.0	4.4	4.6	5.2	4.7	4.07

DURATION OF SUNSHINE.

MAY.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	6	8	10	10	10	10	10	10	9	9	9	9	10	10	10	10	9.4
2	10	10	9	10	6	6	1	0	3	7	9	10	10	10	10	10	7.6
3	10	10	10	10	10	7	9	9	10	10	6	8	10	10	9	10	9.3
4	10	10	8	10	9	9	9	9	9	10	10	10	10	10	10	10	9.6
5	10	10	10	10	10	10	10	9	9	9	10	9	10	10	10	10	9.8
6	10	10	10	10	10	10	10	10	10	9	8	10	10	10	10	10	9.8
7	8	7	8	4	4	7	6	4	2	7	3	8	5	9	8	10	6.3
8	10	9	8	10	10	10	9	8	9	8	7	7	9	10	10	10	9.0
9	0	0	0	3	7	0	3	3	1	2	3	0	0	1	0	2	1.6
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
11	2	7	6	9	10	10	10	10	8	3	0	1	10	10	10	10	7.3
12	0	1	1	1	1	2	2	2	3	1	1	4	6	6	3	1	2.2
13	10	9	9	10	10	10	10	10	4	3	4	8	2	1	6	6	7.0
14	10	10	10	10	10	10	10	10	10	10	10	10	8	9	8	10	9.7
15	5	10	10	10	6	5	8	6	3	6	1	5	6	8	8	8	6.6
16	10	10	10	10	10	10	10	10	10	10	10	8	7	9	9	10	9.6
17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
18	10	10	10	10	10	10	10	10	10	10	9	9	10	10	9	10	9.8
19	10	10	10	10	10	10	9	10	10	9	8	9	10	10	10	10	9.7
20	10	10	9	10	8	6	10	10	10	10	10	10	10	9	7	1	8.8
21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
23	10	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	9.9
24	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
25	10	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	9.9
26	10	10	10	9	9	10	10	8	10	9	10	10	10	10	10	10	9.7
27	10	10	10	10	10	10	10	10	10	10	10	6	8	7	4	8	8.9
28	10	10	10	7	2	1	4	5	10	10	10	10	10	10	10	10	8.1
29	3	9	10	8	2	4	5	6	3	6	8	10	10	10	10	9	7.1
30	10	9	9	10	8	8	10	7	6	0	7	8	9	1	4	4	6.9
31	10	10	10	10	10	9	8	8	10	10	10	10	10	10	10	10	9.7
Means.	8.2	8.7	8.6	8.7	8.1	7.9	8.2	7.9	7.7	7.7	7.5	8.0	8.4	8.4	8.2	8.4	8.16

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

MAY.

Mean Batavia Time.	7^h30 A. M.	8	8^h30	9	9^h30	10	10^h30	11	11^h30	12	0^h30 P. M.	1	1^h30	2	2^h30	3	3^h30	4	4^h30
1	26.1	39.4	35.0	49.9	48.3	53.4	52.9	52.2	51.4	50.4	49.2	52.4	51.9	52.4	52.5	50.4	49.4	46.7	36.4
2	31.0	43.4	45.9	49.6	50.4	46.2	44.4	39.2	36.9	44.9	36.4	50.2	53.0	52.1	51.2	49.6	48.6	45.5	33.4
3	30.8	41.8	46.4	48.4	51.0	53.0	50.1	48.6	47.9	52.4	53.4	50.0	43.8	48.2	47.3	41.6	42.8	42.6	33.0
4	33.4	43.9	45.5	47.0	50.4	50.9	48.9	53.4	48.9	55.3	54.4	51.5	53.4	52.1	50.9	48.9	48.4	42.4	33.3
5	34.2	43.4	45.7	48.9	49.6	52.4	51.8	54.4	49.2	51.4	53.6	51.4	52.0	51.4	50.9	49.2	48.8	42.0	33.4
6	28.8	34.9	35.9	42.2	43.2	49.6	48.9	52.2	52.0	54.2	54.5	52.4	52.4	51.4	50.3	50.3	49.4	44.3	36.8
7	28.7	35.6	39.3	43.9	42.0	43.2	45.6	45.4	48.9	42.1	42.2	48.9	40.4	52.9	42.7	48.9	46.6	46.4	34.6
8	37.3	38.9	43.7	48.4	48.2	50.7	51.9	52.1	51.4	52.9	53.0	49.6	52.9	48.6	50.4	49.4	48.6	45.6	33.9
9	25.4	28.4	29.4	33.9	38.2	52.7	43.4	44.8	48.6	45.3	46.9	50.0	45.4	38.1	37.6	36.0	36.0	37.0	34.1
10	25.4	27.9	29.9	33.4	32.4	32.4	33.4	32.4	32.3	33.4	34.4	31.4	36.2	34.4	—	32.9	30.9	27.4	27.7
11	27.2	29.3	32.4	45.9	41.7	49.4	49.4	49.2	49.2	45.4	48.4	33.4	34.4	43.9	45.4	48.9	47.9	46.4	32.5
12	28.4	33.3	34.8	39.0	37.9	39.1	39.8	42.7	42.4	44.7	41.6	41.0	40.4	42.6	43.2	41.5	33.9	33.4	31.4
13	31.9	42.3	42.4	45.5	45.4	50.2	50.4	49.9	50.6	46.4	44.6	44.3	50.4	46.1	39.4	46.7	41.9	41.1	33.3
14	31.4	41.4	44.4	47.2	47.9	49.9	50.4	51.4	51.4	50.1	52.1	52.7	51.7	53.5	48.4	50.4	46.4	44.0	33.4
15	25.3	28.9	42.4	48.3	49.0	47.4	49.1	51.4	50.0	44.4	48.0	44.6	42.9	44.6	44.0	53.4	43.4	48.2	36.9
16	30.4	39.2	40.9	46.9	46.0	50.4	51.9	51.4	52.0	48.3	50.4	50.3	49.0	52.4	50.1	51.4	50.4	48.9	39.4
17	33.0	42.8	45.8	48.2	49.8	50.6	51.4	53.2	53.2	52.1	53.9	53.4	50.9	50.4	47.4	47.1	48.2	43.2	33.4
18	31.8	43.2	46.0	47.9	49.3	50.9	51.0	51.9	52.5	54.6	51.7	51.4	52.8	50.4	51.5	49.4	45.2	49.4	34.7
19	31.6	42.9	44.9	48.3	49.3	50.4	50.9	50.9	52.6	54.4	53.9	53.6	47.4	52.2	51.8	50.4	49.1	44.9	34.1
20	32.9	40.4	42.2	46.4	45.4	49.4	40.9	50.5	51.4	51.9	51.7	51.9	51.5	49.9	47.0	45.4	40.6	33.6	31.9
21	36.4	43.5	45.0	47.6	46.9	49.1	49.4	51.3	51.6	50.5	50.9	52.0	51.9	50.5	51.3	49.8	45.4	46.4	36.1
22	26.8	39.9	43.4	46.6	47.9	49.7	50.4	51.0	51.4	51.7	51.4	51.6	51.7	51.1	50.9	49.0	47.4	44.1	33.0
23	35.4	43.0	44.4	47.9	48.8	51.4	50.0	51.3	50.9	52.7	51.8	52.0	52.2	50.5	49.9	49.0	47.3	44.9	33.5
24	36.4	43.4	45.8	48.6	48.9	51.2	50.9	51.9	51.6	52.4	52.3	52.2	51.8	50.1	49.7	49.0	47.6	44.9	34.5
25	36.0	41.3	43.4	47.4	48.3	49.9	50.0	51.4	51.8	51.8	51.8	48.3	50.9	49.4	49.2	47.7	45.9	42.1	32.9
26	35.3	41.4	43.9	46.5	47.9	48.6	49.8	51.9	47.1	51.5	51.7	54.4	51.9	51.3	52.3	48.4	47.4	44.4	33.4
27	34.8	41.4	44.3	46.6	48.2	49.9	50.4	50.7	50.9	51.8	52.4	52.9	52.5	45.5	50.4	47.1	37.6	42.1	33.1
28	34.4	41.5	43.8	47.5	49.4	38.8	36.4	41.5	48.4	51.9	50.4	51.4	51.4	50.6	49.9	48.0	46.6	41.2	32.5
29	31.4	33.7	35.4	45.4	45.6	37.9	46.5	44.3	41.1	39.6	45.4	47.6	50.9	48.4	48.4	47.4	45.8	36.7	31.5
30	32.9	42.9	44.9	43.4	44.4	45.3	48.6	51.4	47.6	50.4	36.9	42.4	51.4	46.5	46.4	38.0	38.1	36.3	31.9
31	33.4	41.9	44.3	46.6	48.1	48.9	50.4	50.4	49.4	52.0	51.4	52.5	52.4	52.3	50.4	46.3	40.4	43.9	33.3
Means.	31.55	39.20	41.66	45.91	46.45	48.16	48.04	49.17	48.86	49.38	49.05	49.09	49.09	48.83	48.36	47.15	44.71	42.58	33.65

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	—	—	—	—	—	—	—	61	39	25	19	14	—
	2	44	39	36	33	22	11	17	19	28	14	8	8	—
	3	55	47	36	36	39	44	80	72	41	17	17	6	—
	4	36	28	33	28	28	36	39	41	30	11	8	8	—
	5	47	44	50	47	36	47	91	55	52	19	14	14	—
	6	83	74	47	30	33	22	41	61	66	28	17	14	—
	7	58	50	36	28	33	33	36	61	44	28	11	8	—
	8	P N	91	102	110	33	41	74	61	41	30	17	14	—
	9	99	91	83	69	52	58	52	91	41	30	36	22	—
	10	113	94	91	118	102	88	105	129	96	44	41	39	—
	11	—	—	—	—	—	—	—	— 3	28	19	14	11	—
	12	55	47	44	58	50	50	47	30	47	36	22	17	—
	13	44	39	41	47	58	44	36	25	25	19	19	17	—
	14	72	58	47	33	36	50	94	63	30	25	22	19	—
	15	99	94	85	74	61	50	91	99	50	28	25	22	—
	16	80	72	66	52	47	58	61	55	47	11	11	14	—
	17	50	14	28	44	47	58	72	58	33	17	22	17	—
	18	63	28	39	44	44	44	58	44	30	14	11	— 3	—
	19	74	69	47	50	47	47	36	61	50	17	8	14	—
	20	55	50	28	25	36	22	41	47	14	11	6	8	—
	21	52	30	17	28	55	39	63	41	6	14	8	17	—
	22	66	30	39	33	33	—	—	30	3	14	6	11	—
	23	52	47	39	33	36	41	36	—	—	—	—	—	—
	24	—	—	—	—	—	—	—	47	30	11	17	14	—
	25	44	41	36	33	41	28	44	30	6	8	0	0	—
	26	19	39	28	25	33	28	39	33	22	17	14	6	—
	27	39	41	52	41	39	39	28	44	17	8	3	0	—
	28	61	50	41	33	33	30	36	36	30	3	8	3	—
	29	25	17	25	25	28	25	30	33	44	8	8	— 3	—
	30	102	88	88	61	52	55	61	72	44	17	17	14	—
	31	66	69	63	58	50	44	63	50	11	14	14	17	—
Hourly Means.		61.2	52.9	48.8	46.3	43.0	41.9	54.5	51.5	34.8	18.6	14.8	12.1	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	14	14	14	17	22	33	55	50	66	61	63	47	36.1
	2	11	8	11	19	47	44	204	135	69	66	39	47	40.8
	3	8	8	6	11	19	33	55	127	110	94	63	44	44.5
	4	11	11	8	17	22	55	77	39	47	41	47	33	30.6
	5	14	14	19	17	28	61	63	107	121	96	96	96	52.0
	6	8	8	3	8	17	39	52	110	110	94	91	88	47.7
	7	6	8	11	14	19	33	55	52	110	140	P N	P N	39.7
	8	11	8	6	8	28	61	44	P N	P N	110	110	77	51.3
	9	17	11	19	36	36	52	47	66	63	83	127	116	58.2
	10	22	30	36	N	50	99	83	0	6	0	19	—	63.9
	11	19	17	19	19	33	47	52	74	72	55	50	61	34.5
	12	22	22	22	14	25	52	83	72	91	88	96	52	47.6
	13	19	22	19	19	30	50	69	77	83	88	88	80	44.1
	14	19	14	17	25	39	36	83	94	118	124	127	107	56.3
	15	25	28	19	17	28	69	83	69	77	105	96	83	61.5
	16	14	11	11	6	17	36	66	83	85	66	77	50	45.7
	17	14	17	17	6	28	44	50	66	88	88	63	74	42.3
	18	3	8	8	17	19	44	52	47	85	127	83	80	41.2
	19	17	11	8	14	22	39	47	113	74	107	63	83	46.6
	20	6	3	6	8	19	25	39	80	105	102	80	74	37.1
	21	8	11	6	3	11	19	52	83	61	91	127	80	38.4
	22	14	8	0	3	6	17	25	47	72	74	63	58	29.6
	23	—	—	—	—	—	—	—	—	—	—	—	—	40.6
	24	19	11	3	— 3	17	33	41	72	58	39	50	55	30.2
	25	6	3	0	— 11	25	72	41	30	36	41	28	28	25.4
	26	3	8	6	8	11	14	28	47	69	44	36	36	25.5
	27	8	3	6	3	6	8	17	25	41	61	91	66	28.6
	28	6	3	6	6	11	17	33	47	88	58	41	30	29.6
	29	0	17	6	25	22	39	50	88	77	88	94	99	36.3
	30	6	8	11	19	25	39	72	88	105	80	74	66	52.7
	31	8	6	3	11	30	33	52	50	72	74	61	58	40.7
Hourly Means.		11.9	11.7	10.9	12.3	23.7	41.4	59.0	70.3	77.9	79.5	73.9	66.7	42.48

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	9.57	9.13	8.86	9.04	9.25	9.72	10.46	11.22	11.50	11.30	10.86	10.35	—
	2	10.80	10.51	9.83	9.96	9.90	10.38	10.77	11.24	11.35	10.95	10.42	9.53	—
	3	10.01	9.61	9.12	8.97	9.20	9.53	10.02	10.43	10.61	10.50	10.00	9.36	—
	4	10 17	9.41	8.85	8.72	8.47	8.80	9.07	9.70	10.40	10.04	9.83	9.03	—
	5	8.88	8.60	8.46	8.33	8.71	8.91	9.07	9.83	10.13	9.92	9.75	9.05	—
	6	9.95	9.55	9.37	9.02	9.33	9.80	10.47	11.06	11.21	11.06	10.90	10.21	—
	7	10.81	10.52	10.19	10.05	10.37	10.63	11.08	11.61	11.65	11.22	10.96	10.05	—
	8	10.16	10.16	9.96	9.56	9.87	10.10	10.43	11.01	10.91	10.82	10.25	9.31	—
	9	10.26	9.74	9.47	9.62	9.56	9.91	10.23	10.72	10.77	10.60	10.23	9.60	—
	10	9.83	9.75	9.69	9.67	9.81	9.88	10.33	10.77	10.89	10.52	10.15	9.45	—
	11	9.86	9.46	9.05	9.26	9.28	9.67	10.14	10.58	10.78	10.71	10.52	9.86	—
	12	9.86	9.47	9.29	9.16	9.31	9.59	9.77	10.20	10.37	10.21	9.71	9.24	—
	13	9.78	9.57	9.09	8.76	8.98	9.22	9.63	9.85	9.88	9.66	9.42	8.94	—
	14	10.16	9.49	9.25	9.48	9.72	10.00	10.60	11.07	11.05	10.50	10.03	9.43	—
	15	9.86	9.73	9.60	9.48	9.61	9.83	9.96	10.26	10.37	10.15	9.71	9.08	—
	16	8.73	8.40	8.24	8.11	8.48	8.75	9.17	9.43	9.36	9.08	8.43	7.70	—
	17	8.36	8.07	77.2	7.78	8.16	8.28	8.92	9.25	9.24	8.83	8.54	7.78	—
	18	9.06	8.56	8.37	8.25	8.43	8.84	9.49	9.99	10.06	9.72	9 10	8.56	—
	19	9.17	8.76	7.95	7.85	8.02	8.17	8.58	9.17	9.00	8.97	8.71	8.20	—
	20	8 99	8.60	8.42	7.95	7.87	8.20	8.56	8.86	9.10	8.75	8.46	7.80	—
	21	8.52	8.06	7.77	7.75	8.12	8.21	8.73	9.36	9.81	9.69	9.64	9.33	—
	22	9.63	8.90	8.70	8.51	8.64	8.76	9.24	9.32	9.43	9.42	9.13	8.73	—
	23	8.96	8.75	8.58	8.54	8.54	8.74	9.16	9.46	9.63	9.23	8.89	8.49	—
	24	9.32	9 00	8.67	8.65	8.72	8.88	9.08	9.68	9.91	9.57	9.21	8.92	—
	25	10.16	9.68	9.34	9.23	9.51	9.58	9.70	10.02	10.25	10.11	9.84	9.14	—
	26	9.40	9.29	9.06	9.25	9.36	9.63	10.06	10.59	10.56	10.31	9.92	9.16	—
	27	9.08	9.00	9.04	9.06	9.23	9.46	9.77	10.31	10.37	10.06	9.54	9.08	—
	28	8.72	8.37	8.18	8.15	8.64	8.74	9.01	9.09	8.95	8.56	8.10	7.52	—
	29	7.88	7.62	7.28	7.66	7.86	8.26	8.38	9.09	8.88	8.65	8.12	7.48	—
	30	8.61	8.37	8.08	8.06	8.13	8.37	8.69	9.33	9.43	9.32	8.81	8.28	—
	Hourly Means.	9.49	9.14	8.85	8.80	8.97	9.23	9.62	10.08	10.19	9.95	9.57	8.96	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	9.54	8.75	8.44	8.39	8.89	9.25	9.53	10.34	11.01	11.20	11.41	11.18	9.97
	2	9.00	8.20	7.83	7.82	8.30	8.74	9.34	9.98	10.27	10.42	10.37	10.15	9.84
	3	8.77	8.22	7.69	7.62	7.99	8.48	9.11	9.85	10.31	10.49	10.78	10.56	9.47
	4	8 02	7.73	7.38	7.24	7.44	7.80	8.71	9.15	9.34	9.41	9.05	9.01	8.85
	5	8.43	7.83	7.55	7.65	8.23	9.30	9.48	9.81	10.03	10.42	10.28	10.43	9.13
	6	9.26	8.78	8.28	8.12	8.60	9.19	9.98	10.38	10.90	11.44	11.53	11.30	9.99
	7	9.62	9.15	8.64	8.63	8.80	9.04	9.85	10.24	10.75	10.91	10.96	10.76	10.27
	8	8.62	8.08	7.61	7.64	7.93	8.49	9.28	9.83	10.46	10.65	10.66	10.71	9.69
	9	8.73	8.20	7.94	8.09	8.24	8.52	8.81	9.50	10.11	10.23	10.10	9.71	9.54
	10	8.75	8.20	7.75	7.84	8.00	8.49	8.90	9.45	10.03	10.31	10 22	10.22	9.54
	11	9.42	8.83	8.44	8.39	8.64	8.92	9.23	9.63	10.22	10.41	10.12	9.98	9.64
	12	8.79	8.30	8.05	7.88	7.96	8.55	9.05	9.68	10.20	10.24	10.13	10.17	9.38
	13	8.25	7.80	7.46	7.65	7.89	8.48	9.09	9.75	10.15	10.46	10.40	10.27	9.18
	14	8.78	8.12	7.82	7.80	8.09	8.50	8.96	10.17	10.71	10.66	10.33	10.11	9.62
	15	8.55	8.30	7.89	7.92	8.25	8.43	8.84	9.24	9.58	9.40	9.33	9.30	9.28
	16	6.94	6.57	6.27	6.43	6.59	7.03	7.85	8.73	8.83	8.99	8.98	8.80	8.16
	17	7.18	6.64	6.36	6.53	7.15	7.56	7.82	8.53	8.92	9.46	9.58	9.53	8.17
	18	7.89	7.43	6.99	6.68	6.79	7.25	7.99	8.69	9.25	9.69	9.61	9.43	8.59
	19	7.69	7.07	6.68	7.04	7.27	7.89	8.57	9.21	9.60	9.81	9.43	9.21	8.42
	20	7.08	6.77	6.42	6.40	6.78	7.20	7.83	8.78	8.94	9.28	9.03	8.97	8.13
	21	8.48	7.67	7.61	7.67	7.86	8.08	8.52	9.20	9.81	10.02	10.15	10.25	8.76
	22	8.44	7.56	7.09	7.27	7.71	7.95	8.30	9.11	9.52	9.76	9.33	9.27	8.74
	23	7.74	7.25	6.95	6.82	7.09	7.34	8.11	8.70	9.32	9.53	9.51	9.48	8.53
	24	8.30	7.79	7.37	7.22	7.25	8.23	8.99	9.54	9.82	9.84	9.98	9.97	8.91
	25	8.60	7.58	7 23	7.08	7.13	7.76	8.20	8.64	9.11	9.49	9.58	9.76	9.03
	26	8.50	7.89	7.55	7.73	7.78	8.11	8.56	8.94	9.40	9.66	9.56	9.37	9.15
	27	8.68	8.05	7.87	7.79	7.91	8.30	8.54	8.96	9.36	9.36	9.39	9.21	9.06
	28	7.10	6.82	6.77	6.79	6.83	7.13	7.66	8.06	8.61	8.83	8.54	8.36	8.06
	29	6.98	6.58	6.40	6.40	6.81	7.05	7.68	8.39	9.01	9.13	8.90	8.93	7.89
	30	7.70	7.10	6.80	6.95	7.29	7.63	8.18	8.65	9.11	9.50	9.45	9.16	8.38
	Hourly Means.	8.33	7.78	7.44	7.45	7.72	8.16	8.70	9.30	9.76	9.97	9.89	9.79	9.05

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	77.2	76.4	75.8	75.8	75.1	75.1	76.0	77.9	80.3	82.6	85.2	85.1	
	2	78.2	78.0	76.7	76.1	75.6	75.1	76.3	78.6	81.3	83.2	84.3	84.8	—
	3	76.7	76.3	76.0	75.7	75.0	74.6	75.2	78.3	81.5	83.7	84.9	87.0	—
	4	77.4	76.6	76.0	75.2	75.0	75.0	75.3	78.3	81.7	84.5	85.7	87.5	—
	5	76.9	76.5	75.6	75.5	75.4	75.2	76.0	78.3	81.3	84.0	86.4	87.8	—
	6	75.1	75.4	75.2	75.2	74.7	74.5	75.0	76.5	79.4	81.2	82.7	85.4	—
	7	77.5	77.6	76.8	76.6	76.2	75.9	76.4	78.0	79.6	82.6	84.4	85.0	—
	8	77.7	77.5	76.7	76.7	76.5	76.0	76.9	78.5	80.6	83.4	85.9	87.0	—
	9	76.3	76.3	75.0	74.0	73.0	72.8	73.0	77.7	79.5	82.1	83.6	85.5	—
	10	73.4	72.6	72.3	71.8	71.5	70.7	71.5	74.4	78.8	82.0	84.0	83.9	—
	11	75.7	74.5	73.3	72.7	72.3	72.0	72.4	75.1	78.4	81.6	83 6	85.2	—
	12	74.0	73.5	73.1	72.4	72.0	71.6	72.2	75.0	79.2	81.8	83.8	85.2	—
	13	74.5	74.0	73.6	72.5	71.6	71.6	72.1	75.3	79.9	83.1	85.0	86.6	—
	14	77.6	76.8	76.2	75.6	75.1	74.8	75.0	77.2	80.1	83.0	83.8	86.1	—
	15	75.6	75.4	74.6	74.1	74.1	73.6	73.7	76.0	79.4	81.8	83.9	85.3	—
	16	77.1	76.4	76.0	75.6	74.6	74.4	74.9	77.5	80.4	83.2	85.6	87.2	—
	17	76.0	75.1	75.2	74.8	74.9	74.9	75.0	76.5	79.0	82.8	85.4	86.2	—
	18	76.1	75.0	75.0	74.8	74.0	73.8	74.0	75.4	79.9	82.6	83.1	83.4	—
	19	76.8	76.4	75.8	75.3	75.0	74.3	74.7	77.2	81.0	84.0	85.6	86.2	—
	20	77.0	76.0	75.5	75.5	75.0	74.1	74.7	78.3	81.2	82.4	82 6	85.4	—
	21	76.1	75.9	75.2	74.4	74.2	73.9	74.4	76.2	78.3	78.4	80.0	80.9	—
	22	75.8	75.7	75.3	74.8	74.0	74.0	74.3	75.1	77.1	78.3	81.7	83.2	—
	23	75.3	74.7	74.3	74.1	73.7	73.5	74.0	77.0	80.2	82.7	83.9	86.2	—
	24	77.2	76.8	76.0	75.8	75.3	75.0	75.0	77.7	80.7	83.3	85.1	84.5	—
	25	73.6	73.1	72.8	72.7	72.5	72.2	72 5	76.0	80.3	82.7	82.9	84.3	—
	26	76.3	75.6	75.0	74.2	73.6	73.0	73.2	75.1	78.2	81.6	84.5	86.7	—
	27	74.1	73.7	73.5	73.3	73.1	72.2	72.1	75.0	78.6	81.6	84.0	85.6	—
	28	76.5	75.7	75.6	74.8	74.0	73.6	73.9	76.3	79.0	81.7	84.5	86.0	—
	29	75.8	75.2	74.8	74.0	73.3	72.8	72.5	74.7	77.8	80.7	83.2	84.0	—
	30	76.6	76.3	75.9	74.9	74.3	74.1	73.9	74.9	78.3	81.3	83.7	85.0	
Hourly Means.		76.14	75.63	75.09	74.63	74.15	73.81	74.20	76.60	79.70	82.26	84.10	85.41	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	85.3	84.8	83.4	82.7	82.1	81.4	80.6	80.4	80.0	79.5	79.1	79.0	80.03
	2	86.1	86.1	85.1	84.5	83.9	82.5	81.4	80.4	79.2	78.3	77.8	77.4	80.45
	3	85.5	85.1	84.1	83.9	83.4	82.6	81.5	80.8	79.7	78.5	78.7	78.0	80.28
	4	88.4	86.3	85.7	85.3	84.5	83.2	81.7	79.7	78.6	78.0	77.6	77.1	80.60
	5	87.4	87.0	86.4	85.7	83.9	78.0	74.0	74.0	74.0	74.4	74.7	74.8	79.30
	6	85.6	86.0	85.6	85.3	84.1	83.1	81.6	81.0	80.2	78.5	77.7	77.5	79.85
	7	85.1	84.3	85.2	85.1	84.4	82.6	81.6	81.1	80.5	79.5	78.3	78.0	80.51
	8	87.2	86.9	86.5	85.8	84.8	83 3	82.6	82.0	80.9	79.7	78.4	77.3	81.20
	9	85.5	85.3	86.2	84.8	83.7	82.3	80.4	79.0	78.4	78.0	76.4	74.6	79.31
	10	85.3	85.5	85.5	85.5	83.7	82.0	79.7	78.1	77.4	76.7	76.9	76.7	78.33
	11	85.1	86.0	85.7	85.7	83.8	82.1	80.1	78.5	77.5	76.7	76.0	75.0	78.71
	12	86.6	85.7	85.4	84.4	83.8	82.1	80.2	78.4	77.2	76.3	75.4	75.0	78.51
	13	87.8	85.8	86.8	86.6	85.2	83.6	82.5	81.3	80.7	79.6	78.9	78.2	79.87
	14	87.7	87.7	86.2	85.4	84.3	83.0	82.7	79.6	76.6	76.2	75.8	76.0	80.10
	15	85.9	86.2	85.5	84.0	83.0	82.0	80.9	79.8	79.2	78.5	78.1	77.7	79.51
	16	88.4	87.2	85.6	84.9	83.9	82.3	81.7	80.7	80.3	78.4	77.0	76.2	80.40
	17	87.9	87.3	86.6	86.0	85.0	83.4	81.8	80.3	79.3	78.7	78.0	76.9	80.29
	18	86.0	85.7	84.7	84.1	83.9	82.8	81.6	81.3	80.6	80.0	78.7	77.6	79.75
	19	87.2	88.2	85.4	84.0	83.2	82.3	81.1	80.0	79.2	78.0	78.0	77.0	80.25
	20	87.0	87.0	86.7	85.7	84.1	82.6	81.2	79.9	78.9	78.0	77.4	76.7	80.12
	21	78.3	78.0	78.8	79.1	78.8	78.1	77.7	77.0	76.7	76.5	76.1	76.0	77.04
	22	84.0	85.8	86 0	85.1	83.2	81.3	79.4	78.3	77.5	77.0	76.4	75.9	78.72
	23	86.2	86.2	85.8	84.5	83.5	82.3	81.6	80.4	79.7	79.2	78.3	77.6	79.79
	24	86.5	86.4	86.0	85.0	84.0	82.9	79.4	76.7	75.9	75.1	74.5	73.8	79.53
	25	85.9	86.5	86.0	85.1	84.1	82.7	82.0	81.3	80.5	80.1	78.9	77.6	79.43
	26	87.2	87.6	87.6	86.0	85.0	83.0	81.0	78.7	77.7	76.2	75.8	75.0	79.49
	27	86.2	86.4	85.5	84.6	83.4	82.0	80.5	79.0	78.0	77.6	77.6	76.9	78.94
	28	87.5	86.0	86.0	85.0	84.0	82.6	80.9	79.4	78.4	78.0	77.4	76.7	79.73
	29	84.4	84.0	84.8	84.4	83.0	81.7	80.5	79.9	79.3	78.2	77.4	77.0	78.89
	30	85.1	85.1	84.8	84.2	83.6	82.0	80.8	79.0	78.0	77.9	77.7	77.1	79.35
Hourly Means.		86.08	85.87	85.45	84.75	83.71	82.19	80.76	79.53	78.67	77.91	77.30	76.68	79.61

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	875	899	898	898	914	914	889	860	804	683	608	645	—
	2	926	925	916	915	923	939	915	846	756	705	682	632	—
	3	882	899	906	905	913	913	914	846	785	713	677	628	—
	4	907	923	923	939	939	939	931	854	764	696	647	617	—
	5	907	923	939	939	947	939	940	877	749	694	638	588	—
	6	956	957	966	957	965	956	956	932	810	756	746	692	—
	7	958	958	966	966	957	957	948	901	864	767	702	725	--
	8	907	916	924	924	932	940	907	754	703	652	648	616	—
	9	906	899	904	887	911	902	902	744	685	722	673	628	—
	10	793	783	790	806	788	793	763	733	654	587	601	595	—
	11	864	862	877	867	858	857	850	806	731	637	581	528	—
	12	912	903	868	875	884	891	850	831	742	626	601	571	- -
	13	879	887	895	893	909	918	919	840	743	664	607	602	--
	14	916	924	931	923	930	930	905	884	796	651	709	588	—
	15	957	966	947	930	938	938	911	873	809	736	673	691	-
	16	924	932	923	923	939	939	939	860	732	691	647	610	—
	17	915	930	939	930	913	913	922	881	802	657	628	607	—
	18	856	879	879	888	912	912	869	864	730	675	671	685	—
	19	874	890	905	914	913	912	904	835	762	680	628	643	—
	20	891	915	922	914	913	930	879	799	748	722	731	647	—
	21	915	915	930	930	921	947	939	906	837	853	795	805	—
	22	915	914	922	930	947	947	939	922	859	846	750	740	—
	23	914	922	930	930	938	929	896	843	760	703	700	619	—
	24	932	924	940	931	947	939	914	876	769	699	639	676	—
	25	911	911	929	929	928	936	910	873	835	745	739	708	—
	26	865	864	854	845	852	835	835	798	753	671	605	490	—
	27	912	911	894	886	876	884	875	863	778	652	615	597	—
	28	906	914	922	922	921	920	887	794	757	638	605	533	—
	29	889	905	904	895	903	893	902	863	806	725	639	622	—
	30	940	940	940	947	947	956	938	904	837	735	686	684	—
Hourly Means.		903	910	913	911	916	917	902	849	772	699	662	634	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	685	744	782	801	807	828	842	872	887	909	926	909	828
	2	674	668	690	716	755	779	820	841	808	829	852	875	808
	3	726	671	707	735	747	794	851	865	863	861	885	900	816
	4	628	643	672	691	688	767	792	840	861	876	892	907	806
	5	654	659	676	705	761	790	938	929	947	956	956	956	834
	6	719	700	706	698	742	781	843	873	879	926	933	949	850
	7	738	791	745	697	688	766	844	858	872	878	861	884	845
	8	604	615	571	655	670	725	773	807	850	855	861	875	779
	9	634	672	630	670	713	764	833	862	901	892	817	781	789
	10	559	584	577	584	613	700	801	844	875	882	882	874	728
	11	582	568	549	578	646	721	787	845	851	874	889	904	755
	12	525	610	603	604	646	707	773	829	851	856	897	879	764
	13	582	687	658	626	697	754	801	850	872	894	901	908	791
	14	576	631	656	685	715	766	759	847	932	931	940	940	811
	15	688	682	726	735	753	807	819	870	902	926	917	917	838
	16	567	646	647	676	748	772	814	857	864	877	883	899	805
	17	553	574	613	636	690	725	770	818	854	846	860	866	785
	18	630	661	683	667	727	752	791	805	818	825	861	867	788
	19	580	621	711	748	753	800	836	855	878	908	901	916	807
	20	592	592	645	667	714	751	805	824	846	884	891	899	797
	21	853	813	800	816	846	868	907	916	916	915	923	931	883
	22	728	674	668	684	657	733	808	836	867	874	890	898	831
	23	669	669	674	716	754	808	836	880	879	894	908	925	821
	24	645	683	681	697	755	788	741	865	864	888	896	911	817
	25	681	664	662	691	715	745	799	836	872	795	838	859	813
	26	538	552	516	543	574	689	753	814	835	873	880	904	739
	27	593	600	628	663	691	742	781	822	852	867	875	906	782
	28	545	573	561	587	634	702	768	815	836	852	859	882	764
	29	657	661	651	656	696	762	803	824	839	876	900	924	800
	30	653	653	651	675	678	764	782	853	884	884	883	899	821
Hourly Means.		635	652	658	677	709	762	809	848	869	880	889	898	803

DIRECTION OF THE WIND.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12
JUNE.	1	NE	NE	NE	C	C	C	NE	C	NE	NE	NE	NE
	2	C	N	WSW	SW	C	C	SW	SE	ESE	SE	NE	NNE
	3	C	SE	C	C	C	C	C	SE	E	ENE	ENE	NNE
	4	C	NE	NE	NE	C	C	C	ESE	E	ESE	ESE	ENE
	5	C	C	C	C	C	C	S	S	S	ENE	ENE	NE
	6	C	C	C	C	S	C	C	S	S	WSW	NW	NE
	7	C	NNE	NE	NE	NE	C	NE	ENE	SE	SE	NE	NE
	8	NE	NE	ENE	ENE	ESE	S	S	SSW	S	S	NE	ENE
	9	C	C	NNW	W	C	C	W	SW	SSW	S	SSW	SSE
	10	SW	SW	SW	SW	SW	SW	SW	SSW	SSW	S	NW	SW
	11	NE	NE	NE	NE	S	S	S	S	S	ESE	SW	N
	12	NNE	NNE	N	N	C	N	N	E	ESE	E	ENE	NE
	13	C	C	C	NE	SSE	SSE	SSE	SSE	E	E	E	ENE
	14	C	NNE	C	C	C	C	C	NNE	NNE	ENE	ENE	NE
	15	C	C	SE	C	C	C	SE	SSE	SSE	WSW	SW	NE
	16	C	C	NE	C	C	C	C	NE	ESE	ENE	ENE	E
	17	C	S	S	S	S	C	C	S	S	ESE	E	ESE
	18	C	C	C	ESE	ESE	S	S	S	S	SE	SE	E
	19	SSW	SSW	C	C	C	SSW	SSW	S	SE	E	E	ENE
	20	ESE	C	ESE	ESE	C	C	ESE	ESE	ESE	E	ESE	E
	21	C	C	C	C	C	C	C	E	E	E	NE	NNE
	22	C	C	SSE	SSE	C	C	C	SSE	SE	SE	E	NE
	23	C	C	C	C	E	E	E	E	E	ENE	E	NE
	24	C	NE	NE	C	C	NE	NE	SE	ESE	ESE	ENE	ENE
	25	C	S	S	S	C	S	S	S	SE	ENE	ENE	NE
	26	S	S	S	C	S	S	S	S	S	S	NE	NNE
	27	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	N	E	SE	E
	28	NNE	NNE	C	C	NNE	NNE	NNE	S	S	S	ESE	SE
	29	C	NE	NE	C	NE	NE	NE	SE	SSE	S	E	S
	30	N	N	N	C	N	N	N	WSW	SW	SW	NE	N

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12
JUNE.	1	NNE	N	NNE	NE	N	N	C	C	C	C	N	C
	2	NE	N	N	NNE	NNE	N	C	SSW	S	SE	SE	C
	3	NE	NE	NE	NNE	NE	NE	C	NE	NE	NE	N	C
	4	NE	N	N	N	NNW	N	SW	S	S	S	S	S
	5	NNE	NNE	NNE	NE	NNE	W	SW	S	S	S	S	C
	6	NNE	NNE	NNE	NNE	NNE	NNE	C	C	NNE	NNE	C	C
	7	NW	NNE	NNE	NE	NNE	NNE	NNE	NNE	NE	NE	NE	C
	8	NNE	NNE	N	N	N	N	NNW	NNW	C	C	C	C
	9	NW	NE	N	N	N	N	C	N	N	N	NNW	SW
	10	E	N	NNE	NE	NNE	NE	C	C	C	C	NE	NE
	11	NE	N	N	NNE	NNE	NNE	C	C	C	C	C	C
	12	NE	NNE	N	NNE	NNE	NE	NE	C	C	C	C	NE
	13	ENE	NE	NNE	NE	NE	NNE	NNE	NNE	NNE	C	NNE	NNE
	14	ENE	NNE	NNE	NNE	NE	NE	NE	SSW	SW	SE	SE	C
	15	NNE	NNE	NE	NE	NE	NE	NE	C	C	C	C	C
	16	ENE	NNE	NNE	NE	NE	NE	NE	NE	NE	S	S	S
	17	ESE	ESE	E	ENE	E	E	E	E	E	C	C	C
	18	ENE	NNE	NNE	NNE	NE	NE	NE	NE	NE	SSW	SSW	SSW
	19	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	C	E	E	E
	20	ENE	ENE	NE	NE	NE	E	E	E	C	C	C	C
	21	NE	ENE	ESE	SSE	C	C	C	C	C	C	C	C
	22	ENE	N	NW	NNE	E	E	E	E	C	E	E	C
	23	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
	24	N	NNE	NNE	NE	NE	NNE	SW	SW	S	S	C	C
	25	N	NNW	N	NE	NNE	N	N	N	NNE	E	S	S
	26	NE	N	NNE	NE	NNE	NNE	C	C	C	C	C	C
	27	N	NNE	N	NNE	NE	NNE	NNE	C	C	C	C	C
	28	NNE	N	NNE	N	NNE	NE	NE	C	C	C	NE	NE
	29	N	NE	N	N	N	N	C	C	C	C	N	N
	30	NNE	NNE	N	N	NNE	NNE	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	0.8	0.8	1.6	0.0	0.0	0.0	0.8	0.0	0.8	3.2	5.6	7.2	—
	2	0.0	1.6	2.4	0.8	0.0	0.0	1.6	4.0	3.2	2.4	1.6	7.2	—
	3	0.0	0.8	0.0	0.0	0.0	0.0	0.0	3.2	4.8	7.2	7.2	12.1	—
	4	0.0	0.8	0.8	0.8	0.0	0.0	0.0	3.2	4.8	4.0	4.0	6.4	—
	5	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.4	5.6	7.2	8.0	—
	6	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.8	0.8	1.6	0.8	5.6	—
	7	0.0	2.4	1.6	0.8	0.8	0.0	0.8	2.4	4.8	4.8	4.0	3.2	—
	8	0.8	0.8	1.6	1.6	0.8	1.6	2.4	8.0	9.7	4.8	6.4	5.6	—
	9	0.0	0.0	0.8	0.8	0.0	0.0	0.8	3.2	4.8	3.2	3.2	1.6	—
	10	4.8	6.4	4.0	4.8	4.8	4.8	4.8	4.0	4.8	4.8	3.2	2.4	—
	11	1.6	2.4	2.4	2.4	1.6	1.6	3.2	3.2	2.4	1.6	2.4	1.6	—
	12	0.8	2.4	3.2	1.6	0.0	0.8	2.4	0.8	2.4	8.0	6.4	8.9	—
	13	0.0	0.0	0.0	1.6	3.2	0.8	0.8	2.4	8.0	10.5	12.9	13.7	—
	14	0.0	0.8	0.0	0.0	0.0	0.0	0.0	1.6	0.8	4.8	4.0	7.2	—
	15	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.6	1.6	1.6	2.4	8 0	—
	16	0.0	0.0	0.8	0.0	0.0	0.0	0.0	2.4	3.2	4.0	8.0	9.7	—
	17	0.0	1.6	0.8	1.6	0.8	0.0	0.0	0.8	2.4	9.7	8.9	10.5	—
	18	0.0	0.0	0.0	0.8	1.6	3.2	1.6	2.4	7.2	6.4	4.8	7.2	—
	19	0.8	0.8	0.0	0.0	0.0	0.8	0.8	2.4	8.0	9.7	12.9	14.5	—
	20	0.8	0.0	0.8	0.8	0.0	0.0	3.2	7.2	10.5	14.5	13.7	13.7	—
	21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	4.8	4.0	7.2	—
	22	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.8	3.2	0.8	3.2	1.6	—
	23	0.0	0.0	0.0	0.0	0.8	0.8	0.8	4.8	7.2	8.9	8.9	10.5	—
	24	0.0	0.8	0.8	0.0	0.0	0.8	0.8	3.2	4.8	4.8	4.0	2.4	—
	25	0.0	0.8	0.8	0.8	0.0	0.8	1.6	1.6	4.0	1.6	0.8	0.8	—
	26	3.2	0.8	0.8	0.0	0.8	2.4	0.8	3.2	2.4	2.4	4.8	7.2	—
	27	0.8	0.8	3.2	3.2	2.4	1.6	1.6	3.2	4 0	4.0	4.8	6.4	—
	28	0.8	0.8	0.0	0.0	2.4	4.8	3.2	6.4	6.4	2.4	4.8	6.4	—
	29	0.0	0 8	0.8	0.0	0.8	0.8	2.4	3.2	3 2	2.4	2.4	2.4	—
	30	0.8	0.8	0.8	0.0	0.8	0.8	1.6	2.4	2.4	3.2	1.6	6.4	—
Hourly Means.		0.53	0.91	0.99	0.77	0.75	0.88	1.25	2.80	4.19	4.92	5.30	6.85	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	8.0	9.7	8.9	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.8	0.0	2.51
	2	9.7	10.5	11.3	13.7	5.6	1.6	0.0	4.8	3.2	0.8	0.8	0.0	3.62
	3	14.5	14.5	8.0	8 0	5.6	1.6	0.0	0.8	0.8	0.8	0.8	0.0	3.78
	4	6.4	6.4	8.0	8.0	4.8	0.8	3.2	3.2	2.4	2.4	1.6	0.8	3.03
	5	12.9	14.5	16.1	14.5	5.6	7.2	4.8	3.2	2.4	1.6	0.8	0.0	4.52
	6	7.2	9.7	8.9	8 0	6.4	0.8	0.0	0.0	0.8	0.8	0.0	0.0	2.21
	7	6.4	10.5	11.3	13.7	8.9	1.6	0.8	1.6	0.8	0.8	0.8	0.0	3.45
	8	9.7	12.9	10.5	8.9	7.2	4.8	1.6	0.8	0.0	0.0	0.0	0.0	4.19
	9	4.8	5.6	8.0	8 9	3.2	0.8	0.0	0.8	0.8	1.6	4.8	4.8	2.60
	10	3.2	2.4	5.6	8.9	5.6	0.8	0.0	0.0	0.0	0.0	0.8	1.6	3.44
	11	5.6	7.2	5.6	8.0	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	2.50
	12	11.3	12.1	12 1	10.5	8.0	2.4	0.8	0.0	0.0	0.0	0.0	0.8	3.99
	13	12.9	10.5	9.7	11.3	6.4	4.8	1.6	0.8	0.8	0.0	0.8	0.8	4.76
	14	7.2	10.5	11.3	10.5	8.0	1.6	0.8	6.4	4.8	1.6	0.8	0.0	3.45
	15	11.3	13.7	12.9	9.7	3.2	0.8	0.8	0.0	0.0	0.0	0.0	0.0	2.88
	16	12.1	14.5	12.1	12.9	8.9	3.2	0.8	0.8	4.8	3.2	2.4	0.8	4.36
	17	12.9	9.7	8.0	11.3	8.9	4.8	1.6	0.8	0.8	0.0	0.0	0.0	4.00
	18	9.7	9.7	8.0	5.6	3.2	1.6	0.8	0.8	0.8	4.0	4.0	3.2	3.61
	19	12.1	12.9	14.5	12.1	8.9	5.6	1.6	0.8	0.0	1.6	0.8	1.6	5.13
	20	13.7	14.5	15.3	15.3	12.1	8.0	1.6	0.8	0.0	0.0	0.0	0.0	6.10
	21	7.2	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30
	22	2.4	5.6	6.4	6.4	4.8	0.8	0.8	0.8	0.0	0.8	0.8	0.0	1.70
	23	11.3	11.3	12.1	11.3	8.0	5.6	1.6	0.8	0.8	0.8	0.8	0.8	4.50
	24	6.4	14.5	14.5	12.1	8.0	3.2	4.8	3.2	0.8	1.6	0.0	0.0	3.81
	25	4.0	6.4	8.9	8.9	4.8	0.8	0.8	1.6	1.6	5 6	1.6	0.8	2 48
	26	7.2	8.9	8.9	9.7	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3 05
	27	8.0	8.9	9.7	8.9	8.0	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.48
	28	8.9	9.7	10.5	8.0	6.4	3.2	0.8	0.0	0.0	0.0	0.8	0.8	3 65
	29	4.0	6.4	8.0	8.0	4.8	0.8	0.0	0.0	0.0	0.0	0.8	1.6	2.23
	30	9.7	8.9	9.7	9 7	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	2.98
Hourly Means.		8.69	9.86	9.88	9.75	6.34	2.61	1.01	1.09	0.88	0.93	0.83	0.61	3.44

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CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	1	2	2	5	8	9	8	8	7	9	10	10	—
	2	9	9	8	3	1	4	4	2	1	3	9	9	—
	3	6	4	6	6	4	6	3	2	1	7	8	7	—
	4	2	2	1	2	1	1	0	0	0	0	5	5	—
	5	2	0	2	7	6	8	7	9	4	3	4	3	—
	6	10	10	10	4	4	6	4	2	2	3	4	4	—
	7	10	10	4	8	7	7	4	8	1	1	8	8	—
	8	9	10	10	10	7	9	8	7	2	2	1	1	—
	9	6	6	4	2	0	1	1	0	0	5	7	6	—
	10	0	0	3	2	2	3	2	2	0	0	4	4	—
	11	2	2	1	0	3	9	5	3	1	1	2	3	—
	12	3	2	1	2	1	1	1	0	0	0	2	1	—
	13	1	0	1	1	0	1	1	1	1	1	2	3	—
	14	3	1	1	0	2	3	1	1	4	5	6	4	—
	15	6	8	3	4	4	3	2	1	1	3	4	3	—
	16	3	4	4	2	2	4	4	1	0	2	3	3	—
	17	0	1	1	2	4	5	9	9	8	9	8	8	—
	18	2	3	5	6	6	8	9	7	6	6	7	7	—
	19	8	6	2	3	3	2	1	0	0	0	4	7	—
	20	6	7	6	4	2	7	4	6	6	4	5	8	—
	21	2	4	3	3	4	8	10	9	10	10	10	10	—
	22	9	9	9	9	10	10	10	10	8	8	7	8	—
	23	2	1	6	6	4	3	1	1	1	1	3	3	—
	24	6	6	1	1	2	3	3	2	3	1	7	7	—
	25	4	2	2	3	2	2	2	1	2	6	7	6	—
	26	1	0	1	4	3	3	5	4	2	1	2	3	—
	27	0	0	1	1	2	3	2	2	2	3	3	4	—
	28	7	6	6	6	2	2	3	1	2	1	1	2	—
	29	4	3	3	4	6	4	3	5	5	5	6	7	—
	30	9	6	3	2	4	8	10	4	3	4	4	4	—
Hourly Means.		4.4	4.1	3.7	3.7	3.5	4.8	4.2	3.6	2.8	3 5	5.1	5.3	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	7	10	10	10	5	3	9	10	10	10	10	10	7.6
	2	6	7	6	6	4	7	8	9	9	6	6	4	5.8
	3	8	9	9	9	9	4	3	7	9	9	5	3	6.0
	4	6	6	7	4	3	3	8	4	4	3	5	3	3.1
	5	4	3	4	6	8	10	10	10	10	7	2	8	5.7
	6	3	3	2	2	4	6	7	7	7	10	10	10	5.6
	7	8	6	3	2	5	6	8	8	9	9	7	8	6.5
	8	1	1	3	3	5	6	4	2	4	1	1	2	4.5
	9	4	6	2	1	1	1	2	1	4	2	2	0	2.7
	10	4	6	3	1	1	4	1	1	3	3	4	4	2.4
	11	3	2	2	1	3	2	0	0	0	0	0	0	1.9
	12	2	2	2	3	3	5	1	0	1	1	1	2	1.5
	13	5	5	1	1	2	5	4	3	5	4	2	0	2.1
	14	2	1	1	2	2	6	10	10	10	10	10	9	4.3
	15	4	3	3	5	7	6	8	9	8	9	9	8	5.0
	16	3	4	4	4	3	3	10	10	10	10	6	5	4.3
	17	8	9	9	9	9	8	8	9	6	10	5	2	6.5
	18	7	8	8	6	8	5	6	9	10	10	9	6	6.8
	19	7	7	8	7	7	6	4	5	6	7	8	6	4.8
	20	7	6	7	6	4	6	4	2	4	2	3	1	4.9
	21	10	10	10	10	10	10	10	10	10	10	10	10	8.5
	22	8	5	4	4	8	6	3	2	3	7	3	4	6.8
	23	2	2	1	1	1	3	1	2	5	8	5	4	2.8
	24	3	2	1	1	2	8	8	7	8	2	1	0	3.5
	25	5	9	5	5	4	6	2	7	6	6	5	1	4.2
	26	1	1	2	1	1	1	1	0	0	2	2	1	1.8
	27	4	2	2	3	4	6	3	2	3	4	4	7	2.8
	28	3	2	2	1	1	3	2	2	4	8	4	4	3.1
	29	9	7	5	2	3	7	5	5	4	8	4	10	5.2
	30	5	4	2	1	1	4	3	2	6	3	7	3	4.3
Hourly Means.		5.0	4.9	4.3	3.9	4.3	5.2	5.1	5.2	5.9	6.0	5.0	4.5	4.50

DURATION OF SUNSHINE.

JUNE.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means
1	3	6	2	5	6	8	4	2	1	2	9	4	0	0	0	0	3.3
2	8	10	10	10	6	9	2	5	3	7	10	9	6	9	2	7	7.1
3	9	10	8	10	7	9	4	9	9	1	6	6	4	4	0	1	6.1
4	10	10	10	10	9	8	8	9	9	9	7	2	0	1	4	6	7.0
5	3	2	8	10	10	10	10	10	10	9	10	10	10	8	9	9	8.6
6	10	10	10	9	10	7	5	7	10	10	9	10	10	10	10	10	9.2
7	3	2	3	10	10	6	6	3	7	8	0	2	5	8	10	10	5.8
8	9	10	10	10	10	10	10	10	10	10	10	10	10	9	10	10	9.9
9	10	10	10	10	7	8	7	10	4	6	6	5	4	9	10	10	7.9
10	10	9	10	10	10	10	10	7	3	4	7	4	2	9	10	10	7.8
11	10	10	10	10	10	9	10	10	10	4	4	10	10	10	10	10	9.2
12	10	10	10	10	10	9	9	10	10	10	10	10	10	10	10	10	9.9
13	10	10	10	10	10	9	9	9	9	10	8	7	2	10	10	10	8.9
14	7	6	2	6	7	5	6	7	8	8	9	10	10	10	10	10	7.6
15	10	10	10	10	10	10	10	6	9	9	10	10	10	10	7	2	8.9
16	10	10	10	10	10	10	10	10	10	10	10	9	10	7	6	7	9.3
17	0	4	9	10	10	10	8	9	9	7	9	9	8	4	5	6	7.3
18	7	10	9	10	10	8	2	1	9	9	10	7	6	1	0	0	6.2
19	10	10	10	10	10	7	8	7	4	4	8	6	4	1	3	4	6.6
20	8	8	5	7	9	8	6	8	7	6	4	2	6	7	8	9	6.8
21	5	4	0	0	0	1	2	2	0	0	0	0	2	1	2	0	1.2
22	0	1	1	1	0	6	8	8	6	3	2	9	10	10	9	10	5.3
23	10	10	10	10	10	9	7	9	9	8	10	10	10	10	10	10	9.5
24	10	10	9	10	10	9	8	1	4	4	8	9	10	10	10	7	8.1
25	8	9	9	7	8	4	4	8	1	4	10	9	8	10	10	10	7.4
26	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
27	10	10	10	10	10	10	10	10	10	8	10	10	10	10	10	10	9.9
28	10	9	10	10	10	10	10	9	10	8	9	4	10	10	10	9	9.3
29	7	6	9	8	8	8	9	1	9	1	0	0	8	4	5	8	5.7
30	6	4	10	10	8	10	8	7	6	4	8	8	7	10	10	10	7.9
Hourly Means.	7.8	8.0	8.1	8.8	8.5	8.2	7.3	7.1	7.2	6.4	7.4	7.0	7.1	7.4	7.3	7.5	7.57

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

JUNE.

Mean Batavia Time.	$7^{h}30$ A. M.	8	$8^{h}30$	9	$9^{h}30$	10	$10^{h}30$	11	$11^{h}30$	12	$0^{h}30$ P. M.	1	$1^{h}30$	2	$2^{h}30$	3	$3^{h}30$	4	$4^{h}30$
1	34.8	32.3	40.5	39.2	43.6	43.4	49.5	48.1	42.9	42.8	40.4	52.0	51.9	41.3	36.2	34.2	33.9	33.9	31.5
2	34.9	41.3	42.4	46.5	47.6	41.6	46.8	39.3	34.5	39.2	43.4	50.6	52.7	41.1	40.3	44.0	36.1	41.6	33.1
3	36.1	42.9	45.4	46.3	49.0	46.9	48.9	43.2	49.4	53.3	46.2	44.4	45.6	44.6	39.9	37.7	37.7	37.7	37.7
4	37.4	42.9	44.6	52.5	48.8	52.9	51.9	52.4	52.4	55.5	55.4	55.7	55.5	55.5	55.5	55.5	55.4	55.5	32.9
5	36.4	39.6	37.4	47.7	49.6	50.4	51.3	53.2	52.1	52.4	52.4	52.3	51.9	52.5	52.5	52.3	49.4	45.6	40.4
6	33.5	42.1	43.6	46.8	47.7	50.3	50.4	40.9	41.4	52.2	51.4	50.6	49.4	50.3	49.4	48.2	47.5	45.8	33.0
7	34.8	33.2	36.0	42.9	46.4	48.4	48.0	48.2	45.6	41.9	45.0	35.9	35.4	38.6	43.0	47.4	46.7	44.1	32.6
8	30.4	41.9	44.2	44.4	45.0	49.9	50.1	50.4	50.4	51.7	51.4	51.6	51.4	50.7	50.4	48.2	48.0	43.9	33.8
9	34.4	41.5	44.0	46.4	47.4	44.4	50.9	44.9	52.8	44.9	38.1	44.5	47.4	34.4	46.1	48.1	47.8	43.9	31.8
10	34.6	40.9	42.4	46.1	47.4	48.9	49.8	52.9	46.9	35.2	45.4	50.4	38.6	41.4	42.5	49.4	43.4	45.3	32.4
11	34.9	40.7	42.9	46.2	47.4	48.6	50.0	49.9	51.0	51.6	52.7	36.6	47.6	50.4	49.9	48.5	47.8	44.9	32.9
12	33.2	40.6	42.0	46.1	47.1	48.8	49.6	48.4	49.7	50.4	50.4	50.6	50.9	49.5	49.1	48.0	46.3	44.2	32.7
13	33.6	39.6	42.2	45.4	46.4	48.0	49.1	50.0	49.2	49.9	52.1	51.7	46.0	39.8	43.0	47.9	47.7	43.5	33.8
14	29.9	37.9	42.0	38.4	43.4	48.4	41.3	47.4	42.5	47.9	52.8	53.4	51.0	50.9	49.5	48.0	46.9	41.8	32.9
15	34.9	40.9	43.6	47.4	47.2	50.0	49.2	50.4	46.8	50.5	49.4	51.4	50.4	49.8	47.3	47.4	41.4	36.5	31.4
16	33.9	40.8	43.4	46.7	47.8	49.3	49.9	50.1	50.0	51.1	51.7	53.4	52.9	51.9	50.0	39.5	40.5	40.2	33.0
17	25.9	29.6	32.3	42.9	45.9	44.9	51.4	52.0	49.8	50.4	46.6	53.6	49.0	46.2	43.4	39.6	38.6	40.6	34.7
18	34.7	35.6	44.4	46.6	46.5	48.9	49.3	38.8	37.4	48.0	49.6	52.4	53.9	51.1	46.0	40.0	37.4	34.4	32.5
19	30.4	38.4	40.9	44.9	46.5	48.9	49.5	50.3	49.9	50.3	44.9	49.0	47.4	46.9	41.0	39.2	38.9	33.9	31.4
20	33.4	38.9	37.9	38.9	36.9	47.5	43.2	39.2	44.9	47.9	48.6	50.9	45.4	50.4	47.4	48.3	48.4	41.3	38.3
21	25.3	32.7	36.4	34.7	35.3	31.4	34.0	40.6	43.9	35.7	31.4	34.3	31.4	33.6	39.4	33.9	37.9	31.8	29.1
22	24.4	27.9	29.2	33.1	33.4	36.0	42.6	49.5	49.6	41.7	41.8	35.6	42.0	51.1	50.6	47.2	48.2	45.6	37.2
23	34.4	40.8	43.2	45.5	46.9	48.9	48.4	48.3	52.0	53.4	48.9	52.0	52.0	51.4	49.9	48.4	47.4	43.8	34.4
24	30.4	40.4	42.9	44.4	46.4	48.4	49.4	52.9	40.4	45.3	42.0	47.9	51.4	49.8	48.9	47.2	45.8	39.9	33.8
25	31.4	38.0	41.9	45.4	45.4	48.3	48.4	40.4	47.0	39.4	40.9	51.3	52.2	45.4	47.9	47.4	46.3	43.9	34.4
26	27.9	39.2	42.9	46.1	46.6	49.6	49.8	51.5	51.6	51.6	51.6	51.4	52.4	51.0	50.5	50.2	48.3	45.4	35.4
27	31.9	39.6	41.2	43.3	47.3	49.1	49.4	50.4	51.6	53.1	46.8	53.3	51.9	50.6	50.1	48.2	47.6	44.9	34.6
28	32.9	39.5	38.4	46.2	46.9	49.4	49.9	51.2	48.9	51.3	47.2	53.2	48.5	48.4	49.4	47.5	46.9	43.3	35.1
29	26.9	33.4	33.9	41.4	42.0	46.9	44.1	50.3	43.0	49.4	46.0	40.9	37.4	40.9	46.6	44.6	40.9	43.2	34.2
30	24.6	35.0	34.9	45.0	46.1	49.1	45.3	47.9	39.1	43.4	50.4	50.9	48.8	49.3	46.3	47.4	42.4	43.4	35.1
Means.	32.07	38.27	40.57	44.25	45.46	47.25	48.05	47.77	46.89	47.71	47.16	48.73	48.08	46.96	46.73	45.78	44.38	42.13	33.87

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	50	50	47	47	50	44	74	77	41	22	14	19	—
	2	74	72	44	52	58	80	110	61	30	17	11	28	—
	3	41	39	41	39	77	61	124	63	30	28	14	14	—
	4	36	36	33	33	61	61	110	52	19	— 3	19	8	—
	5	55	61	61	55	55	94	94	88	52	25	22	22	—
	6	58	58	55	36	50	44	124	77	61	39	33	25	—
	7	25	105	33	52	39	30	80	47	28	8	14	17	—
	8	P N	P N	P N	P N	30	36	80	17	30	19	22	22	—
	9	58	52	47	39	58	88	94	66	28	19	17	17	—
	10	39	39	36	47	47	55	61	55	47	33	28	22	—
	11	47	41	36	33	33	39	52	28	8	0	8	19	—
	12	80	55	36	41	50	63	58	88	33	8	11	19	—
	13	50	44	58	85	55	83	94	61	25	— 3	19	22	—
	14	—	—	—	—	—	—	77	94	66	— 3	8	6	—
	15	—	—	—	—	—	—	47	44	52	33	28	19	—
	16	—	—	—	—	—	—	80	—	—	14	6	11	—
	17	47	50	41	39	41	39	63	66	19	— 6	8	17	—
	18	55	55	52	52	47	50	61	77	36	11	39	33	—
	19	11	25	33	25	28	47	55	74	30	11	19	30	—
	20	50	30	39	50	28	30	47	44	22	14	28	3	—
	21	55	58	30	25	33	30	50	63	72	17	66	33	—
	22	39	63	44	25	28	55	83	83	44	41	11	14	—
	23	52	58	61	44	33	30	63	83	14	8	17	22	—
	24	55	47	41	28	22	17	55	—	—	—	—	—	—
	25	58	39	33	30	33	44	63	72	14	— 6	8	8	—
	26	41	28	30	36	41	44	66	107	55	36	33	30	—
	27	72	63	47	33	44	36	66	41	17	— 22	— 14	22	—
	28	58	52	33	33	33	30	61	61	11	— 8	17	17	—
	29	63	44	39	39	36	33	50	55	36	— 6	— 8	17	—
	30	11	50	39	36	30	33	44	41	22	0	22	8	—
Hourly Means.		49.2	50.5	41.9	40.5	42.2	48.0	72.9	63.8	33.6	11.9	17.9	18.8	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	19	11	19	25	25	39	58	69	99	107	72	63	47.5
	2	19	22	14	8	69	118	77	69	28	30	33	44	48.7
	3	— 6	— 3	19	22	30	88	116	127	47	36	33	36	46.5
	4	14	14	0	30	39	94	P N	44	50	50	55	47	39.2
	5	17	11	3	— 30	132	P N	P N	P N	19	66	63	55	38.6
	6	28	25	30	30	36	58	176	118	88	N	22	— 44	53.3
	7	11	17	14	17	30	50	77	72	25	P N	P N	P N	37.7
	8	28	28	28	30	22	36	33	28	66	72	61	44	36.6
	9	17	11	14	22	25	33	44	69	113	83	61	44	46.6
	10	19	17	17	19	30	39	88	116	118	124	63	50	50.4
	11	6	11	8	0	17	19	36	66	74	61	61	94	33.2
	12	19	19	14	14	39	36	52	80	99	77	80	66	47.4
	13	14	22	19	19	30	52	74	74	25	33	28	33	42.3
	14	14	17	19	11	25	36	96	P N	P N	— 28	14	—	30.1
	15	28	22	25	28	36	44	63	61	—	—	—	—	37.9
	16	14	6	8	14	30	30	41	52	52	25	36	50	29.3
	17	11	25	22	22	39	52	66	74	80	55	80	63	42.2
	18	22	11	22	22	33	33	52	58	55	44	19	22	40.0
	19	14	28	22	17	33	47	91	63	74	69	61	61	40.3
	20	— 8	11	28	11	52	36	83	83	94	47	88	36	39.4
	21	77	— 63	50	33	69	105	69	33	36	36	33	28	43.3
	22	19	— 28	19	N	190	33	52	63	83	61	69	50	49.6
	23	36	33	47	33	41	52	77	69	55	58	52	50	45.3
	24	17	22	25	25	30	96	83	36	47	50	63	63	43.3
	25	14	6	19	28	17	36	63	52	69	41	58	52	35.5
	26	22	11	25	28	19	50	69	105	44	88	118	113	51.6
	27	11	14	14	11	19	30	41	66	74	77	80	61	37.6
	28	19	28	30	28	25	25	50	30	52	96	85	52	38.3
	29	17	19	14	14	25	33	55	61	66	39	52	N	34.5
	30	11	11	11	11	11	25	47	69	88	77	55	63	34 0
Hourly Means.		18.1	12.6	20.0	18.7	40.6	49.1	68.9	68.1	65.0	58.3	57.0	49.8	42.39

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	8.77	8.56	7.98	7.92	8.06	8.43	8.98	9.34	9.37	9.18	8.45	7.63	—
	2	7.82	7.58	7.28	7.28	7.31	7.68	7.78	8.47	8.63	8.50	8.29	7.65	—
	3	8.07	7.68	7.96	7.96	8.48	8.75	9.27	10.14	10.75	10.57	10.15	9.73	—
	4	10.50	9.97	9.88	9.58	9.96	10.38	10.79	10.92	11.22	11.30	11.03	10.25	—
	5	11.72	10.99	10.54	10.19	10.08	10.03	10.25	10.59	10.78	10.78	10.36	9.70	—
	6	10.28	9.96	9.40	9.47	9.60	9.73	10.28	10.83	11.13	10.90	10.46	9.76	—
	7	10.23	10.12	10.16	10.07	10.60	10.64	11.02	11.45	11.64	11.50	11.21	10.71	—
	8	11.39	11.12	10.79	10.81	10.85	10.87	11.12	11.75	11.97	11.55	11.01	10.40	—
	9	11.07	10.71	10.34	10.26	10.36	10.50	10.74	10.92	11.06	11.12	10.51	10.01	—
	10	9.37	8.92	8.72	8.73	8.89	8.97	9.28	9.68	9.78	9.27	8.74	7.98	--
	11	8.52	8.19	8.02	7.89	8.16	8.20	8.83	9.29	9.32	8.91	8.43	7.93	—
	12	8.89	8.71	8.71	8.48	8.76	9.04	9.45	9.79	9.78	9.17	8.66	8.05	—
	13	8.57	8.61	8.38	8.47	8.67	9.17	9.55	9.94	10.10	9.63	9.00	8.41	—
	14	8.63	8.41	8.31	8.31	8.47	8.72	9.04	9.41	9.53	9.12	8.61	8.08	—
	15	8.10	7.81	7.73	7.91	7.98	8.26	8.38	9.07	9.16	8.78	8.19	7.52	—
	16	8.47	8.17	7.95	7.81	8.03	8.28	9.08	9.54	9.65	9.46	8.98	8.33	—
	17	8.97	8.83	8.73	8.81	9.34	9.61	9.68	10.17	10.17	9.96	9.29	8.70	—
	18	9.92	9.42	8.93	8.98	9.37	9.58	10.34	11.13	11.05	10.82	10.38	9.75	—
	19	9.75	9.06	8.54	8.54	8.79	9.13	9.17	10.02	10.14	9.98	9.63	9.14	—
	20	9.86	9.51	9.03	8.74	8.78	9.08	9.57	10.04	10.11	9.82	9.42	8.90	—
	21	9.16	8.97	8.80	8.85	9.07	9.37	10.08	10.37	10.47	10.13	9.60	8.99	—
	22	9.66	9.53	9.01	9.01	9.32	9.56	9.59	9.78	9.90	9.61	9.35	8.44	—
	23	9.47	9.06	8.96	8.87	9.03	9.17	9.59	9.93	10.33	10.20	10.04	9.25	—
	24	9.68	9.22	9.03	9.01	9.54	10.01	9.87	10.37	10.36	10.40	10.07	9.47	—
	25	10.21	9.83	9.59	9.59	9.87	9.97	10.25	10.68	10.89	10.83	10.37	9.83	—
	26	10.01	9.85	9.63	9.48	9.41	9.94	10.75	11.04	11.24	11.12	10.61	9.76	—
	27	10.12	10.08	9.78	9.85	10.14	10.39	10.69	11.14	11.42	11.15	10.68	9.91	—
	28	10.31	9.97	9.65	9.73	9.78	10.04	10.76	11.21	11.18	11.01	10.58	9.89	—
	29	10.56	10.30	10.19	10.23	10.41	10.59	11.23	11.89	12.02	11.70	11.16	10.44	—
	30	10.06	9.75	9.77	9.65	9.83	10.04	10.36	10.71	10.74	10.51	9.88	8.94	—
	31	9.92	9.48	9.30	9.53	9.74	9.92	10.67	11.27	11.55	11.26	10.82	10.04	—
Hourly Means.		9.61	9.30	9.07	9.03	9.25	9.49	9.89	10.35	10.50	10.27	9.81	9.15	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	7.08	6.51	6.11	6.04	6.29	6.74	7.10	7.82	8.33	8.55	8.30	8.40	7.90
	2	7.40	6.74	6.08	6.14	6.67	7.06	7.59	8.14	8.59	8.82	9.04	8.73	7.72
	3	8.99	8.89	8.22	8.07	8.28	8.90	9.51	10.35	10.68	10.77	10.87	11.16	9.34
	4	9.62	9.08	9.08	9.64	9.54	10.48	10.66	11.44	11.94	12.23	12.46	12.31	10.59
	5	9.00	8.24	7.97	7.84	7.91	8.30	9.06	9.56	10.20	10.58	10.73	10.75	9.84
	6	9.26	8.93	8.64	8.40	8.53	8.79	9.19	10.17	10.50	10.72	10.86	10.63	9.85
	7	10.34	9.66	9.60	9.70	9.82	9.99	10.32	10.94	11.61	11.83	11.87	11.66	10.70
	8	9.90	9.09	8.53	8.49	8.79	9.09	9.99	10.46	11.00	11.53	11.61	11.53	10.57
	9	9.08	8.40	7.93	7.99	8.23	8.33	8.55	9.08	9.35	9.69	9.77	9.46	9.73
	10	7.13	6.57	6.05	6.25	6.52	6.93	7.38	7.86	8.21	8.32	8.48	8.73	8.20
	11	7.04	6.58	6.38	6.55	7.05	7.41	8.25	8.52	8.91	9.32	9.46	9.10	8.18
	12	7.59	6.96	6.70	6.86	7.33	7.75	8.33	8.62	9.07	9.15	9.17	8.99	8.50
	13	7.76	7.13	7.14	6.99	7.13	7.33	7.87	8.37	8.71	8.90	9.03	8.89	8.49
	14	7.40	6.69	6.49	6.49	6.70	6.90	7.13	7.79	8.39	8.53	8.35	8.23	8.07
	15	6.85	6.19	6.03	6.03	6.45	6.78	7.59	8.04	8.77	8.83	8.85	8.77	7.84
	16	7.64	7.14	6.58	6.48	6.82	7.37	7.78	8.54	9.17	9.18	9.30	9.15	8.29
	17	8.29	7.75	7.65	7.76	7.88	8.09	8.82	9.26	9.92	10.09	10.29	10.30	9.10
	18	8.74	8.49	7.93	8.17	8.30	8.74	9.24	9.98	10.47	10.63	10.46	10.35	9.63
	19	8.68	8.16	7.70	7.59	7.81	8.15	8.88	9.27	9.67	9.97	10.15	10.32	9.09
	20	8.18	7.69	7.13	6.94	7.39	7.73	8.46	9.21	9.67	9.86	9.97	9.82	8.95
	21	8.38	7.57	7.27	7.37	7.64	7.75	8.10	9.05	9.47	9.85	9.90	9.86	9.00
	22	7.93	7.55	7.18	7.14	7.30	7.63	8.45	9.10	9.49	9.76	10.03	10.02	8.93
	23	8.44	8.04	7.65	7.49	7.79	8.41	9.04	9.54	9.91	10.26	10.04	10.21	9.20
	24	8.70	8.33	7.97	7.99	8.23	8.51	9.14	9.63	10.09	10.46	10.43	10.36	9.45
	25	9.30	9.00	8.73	8.58	8.76	9.13	9.55	10.08	10.28	10.61	10.89	10.72	9.90
	26	8.99	8.72	8.43	8.45	8.83	9.29	9.93	10.41	10.70	10.83	10.72	10.57	9.95
	27	9.68	9.00	8.49	8.45	8.86	9.25	9.70	10.36	10.40	10.57	10.66	10.69	10.06
	28	9.34	8.89	8.43	8.33	8.64	9.22	9.94	10.62	11.01	11.08	11.06	10.96	10.07
	29	9.73	8.51	8.10	8.08	8.31	8.80	9.26	10.00	10.28	10.41	10.20	10.12	10.11
	30	8.00	7.54	7.17	6.95	7.31	7.88	8.50	9.23	9.65	10.03	10.31	10.22	9.29
	31	9.23	8.51	8.07	7.92	8.08	8.41	8.85	9.71	10.22	10.50	10.47	10.54	9.75
Hourly Means.		8.51	7.95	7.59	7.59	7.84	8.23	8.78	9.39	9.83	10.06	10.12	10.04	9.24

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	76.5	75.7	74.7	74.3	73.6	73.1	73.5	76.1	79.3	82.2	84.5	86.1	—
	2	75.9	75.5	75.2	74.6	74.0	73.6	73.5	76.0	79.6	82.6	84.7	86.2	—
	3	75.5	75.8	75.4	74.9	74.6	74.6	74.6	75.1	76.6	80.7	83.4	85.0	—
	4	75.5	75.0	75.0	74.4	73.4	73.2	73.6	76.5	80.5	83.8	85.6	87.2	—
	5	72.8	72.4	72.4	72.2	72.2	71.7	72.3	75.0	76.6	80.0	82.7	85.0	—
	6	77.2	76.2	75.4	74.7	74.5	74.0	74.2	75.5	78.8	82.2	83.8	84.6	—
	7	73.9	73.2	72.7	72.0	72.0	71.6	72.0	74.1	77.1	80.6	83.0	83.6	—
	8	73.0	72.9	72.1	71.7	71.1	70.6	71.2	73.5	77.2	81.0	83.0	85.4	—
	9	74.2	73.2	73.2	73.0	71.8	71.0	71.3	73.5	77.2	81.0	83.0	84.0	—
	10	72.7	71.9	71.1	70.0	69.6	69.2	69.1	71.4	75.8	79.7	82.2	83.8	—
	11	73.9	73.1	72.2	72.4	71.1	70.0	70.1	72.4	76.0	80.0	82.5	84.6	—
	12	74.1	73.4	73.0	72.2	71.6	71.0	71.4	72.2	74.5	79.1	82.2	84.6	—
	13	73.0	72.8	72.4	71.7	70.6	70.3	70.6	73.2	77.1	79.8	82.0	84.1	—
	14	74.8	73.8	73.4	73.5	73.3	73.7	74.0	76.3	79.0	82.1	84.7	86.0	—
	15	77.1	76.7	75.8	75.4	74.7	74.2	74.3	76.3	79.8	82.1	83.4	84.6	—
	16	76.2	75.6	75.7	75.1	74.1	73.1	73.5	74.9	78.1	80.4	83.6	86.0	—
	17	75.4	74.8	74.0	73.1	73.8	74.0	74.3	74.5	77.8	81.2	84.0	85.6	—
	18	76.7	75.1	74.6	73.8	73.8	74.1	74.6	75.0	77.9	81.3	83.5	85.0	—
	19	74.7	73.9	72.8	72.2	71.2	70.5	70.5	72.6	76.9	80.8	83.0	84.9	—
	20	74.9	74.4	74.4	73.5	72.4	72.0	72.1	74.5	78.3	82.0	84.7	86.9	—
	21	76.0	75.6	75.0	73.6	72.6	72.0	72.2	75.1	80.4	83.5	86.0	88.0	—
	22	74.9	74.0	73.6	72.9	72.1	72.0	72.4	75.1	78.6	82.2	85.6	87.5	—
	23	77.0	76.1	75.2	75.0	73.9	73.7	74.0	76.0	78.4	82.2	83.8	86.0	—
	24	75.2	74.2	73.8	72.8	72.4	69.8	70.0	71.0	75.6	78.6	81.0	83.1	—
	25	74.7	74.0	73.3	73.3	72.8	72.3	72.5	74.5	78.8	81.4	83.7	85.3	—
	26	76.0	75.0	74.3	73.7	72.7	71.9	72.7	74.8	78.3	81.6	84.6	86.0	—
	27	75.0	74.9	74.1	73.5	72.8	72.3	72.6	74.7	78.2	80.6	82.7	83.6	—
	28	75.9	75.0	74.2	73.5	73.1	72.5	72.5	74.5	79.0	81.6	83.3	85.6	—
	29	74.8	74.0	73.2	72.2	71.5	71.3	71.6	72.7	75.1	80.0	81.7	84.0	—
	30	75.3	74.7	74.6	73.9	73.0	72.6	72.3	74.5	78.0	80.6	83.0	84.8	—
	31	71.4	70.2	70.0	69.6	69.7	69.5	70.0	71.3	75.0	76.9	79.5	81.6	—
Hourly Means.		74.97	74.29	73.77	73.18	72.58	72.11	72.37	74.28	77.73	81.03	83.37	85.12	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	87.3	86.8	86.1	85.1	84.1	82.6	81.0	79.5	78.5	77.9	77.7	76.6	79.70
	2	87.1	86.4	86.7	86.7	84.8	83.2	81.7	80.0	78.8	77.5	76.1	75.3	79.82
	3	86.4	82.0	86.0	86.6	84.7	82.6	81.0	79.8	78.5	77.6	77.0	76.3	79.36
	4	88.7	88.3	84.8	80.2	82.0	82.2	81.0	80.0	76.3	74.7	74.3	73.7	79.16
	5	86.6	85.6	85.8	84.7	83.7	81.8	80.7	79.5	79.0	78.9	78.3	77.8	78.65
	6	85.2	84.6	85.0	84.4	83.8	82.0	79.7	78.4	77.6	76.9	76.3	75.0	79.17
	7	85.0	85.4	85.0	83.8	83.2	81.2	78.2	77.0	76.2	75.1	74.5	73.9	77.68
	8	86.2	86.2	86.2	84.7	83.2	81.6	79.2	77.5	77.1	76.3	75.4	74.8	77.96
	9	85.8	85.6	85.1	84.0	82.8	81.1	79.6	77.5	77.3	76.7	74.7	73.4	77.92
	10	83.7	85.0	85.5	83.8	82.7	81.0	79.0	77.9	77.7	77.1	75.7	74.4	77.08
	11	85.4	84.6	83.8	83.3	82.0	80.8	79.0	77.6	76.6	75.8	74.8	74.3	77.35
	12	86.0	85.7	85.0	84.0	82.2	80.6	78.8	77.0	76.0	75.8	75.2	74.0	77.48
	13	83.1	85.3	84.0	83.6	82.8	81.4	79.6	78.0	76.6	75.6	75.2	75.0	77.41
	14	86.0	85.7	85.6	84.3	83.1	82.0	81.4	80.0	79.5	78.7	77.7	77.4	79.42
	15	85.2	85.6	85.5	84.3	83.2	82.0	81.0	80.1	80.0	79.2	78.1	76.9	79.81
	16	86.8	85.3	85.5	85.2	83.6	81.8	80.5	79.2	78.7	78.3	77.5	76.4	79.38
	17	85.8	85.2	84.3	82.2	82.7	81.3	79.3	78.1	77.5	77.0	76.8	76.8	78.73
	18	85.6	85.1	85.1	84.1	82.6	81.2	79.7	78.6	78.4	77.6	77.2	76.2	79.03
	19	84.6	85.3	85.1	84.4	83.5	81.6	80.0	78.4	77.4	76.6	76.2	75.6	78.03
	20	86.7	86.5	86.5	86.0	84.3	82.4	80.7	79.6	78.5	77.1	76.9	76.5	79.24
	21	89.2	89.4	89.0	86.8	84.4	82.1	80.6	78.7	77.8	77.0	76.0	75.2	79.84
	22	88.5	87.2	85.6	84.6	83.4	82.0	81.1	80.2	79.8	79.2	78.1	77.4	79.50
	23	87.0	86.6	85.7	84.7	83.1	82.2	81.6	80.6	79.4	76.4	76.4	75.6	79.61
	24	85.0	83.5	83.1	82.9	81.9	80.8	79.0	77.2	76.4	76.6	76.4	75.6	77.33
	25	85.0	83.9	82.8	82.6	82.0	80.9	80.1	78.4	77.7	77.7	77.4	76.2	78.39
	26	87.8	85.1	84.5	84.5	83.4	81.8	81.0	80.5	79.3	77.8	77.4	76.3	79.21
	27	84.2	85.1	85.5	84.6	83.4	81.5	80.2	79.2	78.6	77.8	77.2	76.9	78.72
	28	84.5	85.4	85.2	84.6	83.4	81.6	80.0	78.8	78.3	77.8	76.9	76.0	78.88
	29	85.3	86.1	85.2	84.1	83.5	81.6	80.6	79.6	78.6	78.2	77.0	76.2	78.25
	30	85.7	84.1	82.7	82.7	81.7	80.7	80.1	79.9	78.4	77.6	76.6	74.4	78.41
	31	83.2	84.6	83.2	82.2	81.0	79.7	77.7	77.1	76.5	75.5	74.8	74.5	76.03
Hourly Means.		85.89	85.52	85.13	84.18	83.10	81.59	80.10	78.84	77.97	77.16	76.45	75.63	78.60

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	899	898	904	878	886	894	894	849	795	688	611	598	—
	2	915	922	914	921	912	920	903	833	766	684	619	559	—
	3	847	840	847	846	854	862	965	966	916	755	678	639	—
	4	931	930	913	930	946	946	929	882	739	673	622	568	—
	5	955	964	964	955	955	964	946	905	874	781	731	659	—
	6	924	915	914	922	930	921	904	856	770	729	680	651	—
	7	837	860	876	892	884	891	884	796	779	668	611	582	—
	8	860	868	892	883	865	838	821	786	712	576	493	460	—
	9	803	818	751	734	763	794	754	706	583	493	464	488	—
	10	875	866	855	879	861	852	852	822	745	678	601	596	—
	11	869	886	901	875	900	898	862	817	769	631	558	545	—
	12	895	903	902	901	866	882	882	858	838	692	614	520	—
	13	894	885	893	891	890	899	846	827	727	700	653	622	—
	14	888	903	911	894	903	895	878	794	683	613	556	527	—
	15	866	882	898	898	904	904	896	850	743	681	652	643	—
	16	849	856	848	871	896	911	911	871	798	696	634	568	—
	17	840	813	828	835	811	819	812	829	722	558	533	525	—
	18	833	839	845	836	828	837	764	814	729	623	537	508	—
	19	879	887	893	884	908	908	945	826	726	641	578	545	—
	20	879	896	878	894	919	918	919	845	761	626	550	507	—
	21	824	823	854	894	893	901	901	839	695	639	573	520	—
	22	888	912	903	920	928	919	893	863	784	655	561	477	—
	23	851	882	880	880	878	877	861	817	777	648	609	563	—
	24	930	947	938	893	841	915	925	935	856	770	670	626	—
	25	888	895	911	903	910	910	902	854	710	630	575	534	—
	26	785	798	829	836	842	892	859	839	709	592	531	502	—
	27	871	871	887	869	876	884	867	805	768	716	643	640	—
	28	872	888	887	903	911	919	893	854	634	579	607	555	—
	29	888	887	894	910	909	909	891	876	840	672	651	577	—
	30	791	789	789	778	792	799	807	748	650	613	565	562	—
	31	935	889	898	888	888	861	889	847	782	756	728	625	—
Hourly Means.		873	878	881	880	882	888	879	839	754	660	603	564	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	586	572	636	690	700	729	768	832	768	844	859	899	778
	2	567	582	620	566	669	703	741	758	783	812	848	863	766
	3	626	736	643	645	670	759	812	848	885	907	907	923	807
	4	552	540	710	687	721	758	820	825	923	956	921	947	807
	5	614	699	655	625	720	757	819	863	885	902	917	925	835
	6	653	689	613	623	646	693	786	821	844	858	865	879	795
	7	613	590	594	595	617	682	797	833	864	871	887	877	766
	8	477	494	505	538	561	637	732	803	817	816	814	821	711
	9	473	525	553	577	641	690	764	834	818	833	829	852	689
	10	544	563	548	575	608	668	739	797	796	818	832	861	743
	11	489	556	601	579	638	710	762	835	841	856	871	896	756
	12	492	579	607	641	688	710	761	833	856	848	863	887	772
	13	605	582	633	638	661	719	771	820	850	872	880	888	777
	14	533	604	591	635	691	721	741	795	816	830	836	851	754
	15	633	615	608	635	663	700	739	773	787	816	852	842	770
	16	560	589	548	552	645	665	723	771	792	806	835	841	752
	17	556	582	616	646	648	683	763	790	804	826	833	833	729
	18	495	521	509	552	601	697	735	783	782	805	818	841	714
	19	586	589	582	585	607	678	721	790	819	841	856	864	756
	20	553	613	600	610	688	716	753	801	829	858	850	825	762
	21	509	493	519	583	648	714	774	822	836	858	889	905	746
	22	544	580	628	663	704	742	775	810	817	823	845	851	770
	23	556	627	604	632	704	765	784	811	847	940	940	930	778
	24	632	672	644	603	618	709	777	842	865	857	849	848	798
	25	625	639	689	709	707	761	766	814	836	805	819	817	775
	26	494	594	630	623	658	713	755	745	756	781	788	833	724
	27	571	521	577	624	618	684	730	763	776	828	842	850	753
	28	598	528	492	536	612	678	751	783	813	828	850	872	743
	29	583	515	595	628	632	685	738	757	807	836	850	825	765
	30	549	564	583	570	565	633	700	722	701	720	628	723	681
	31	536	586	631	659	668	720	780	811	841	872	888	888	786
Hourly Means.		561	585	599	614	652	706	761	803	821	843	850	863	760

DIRECTION OF THE WIND.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
JULY. 1	C	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	S	S	NE
2	C	C	C	NE	NE	NE	NE	NE	SE	ESE	ENE	ENE
3	C	E	NE	ENE	E	E	C	SSE	SSE	E	E	ESE
4	C	ENE	ENE	E	C	E	E	E	ESE	ESE	E	E
5	SW	SSW	SSW	SSW	SSW	SSW	SSW	S	ESE	E	E	E
6	C	NE	SSE	SSE	SSE	SSE	SSE	SSE	SSE	SE	E	NE
7	S	C	S	S	S	S	S	S	S	S	S	SW
8	NE	S	S	S	S	S	S	S	S	S	SE	E
9	SW	SW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	SSW	W	N
10	NW	NW	C	C	NW	NW	NW	WNW	W	E	NE	SE
11	N	C	N	N	N	N	N	N	N	E	SE	ESE
12	NE	NE	NE	NE	NE	S	S	S	S	WSW	W	WSW
13	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ESE	E	E	ENE
14	C	C	NE	NE	NE	NE	NE	SE	ESE	E	E	E
15	C	C	C	C	C	C	NE	NE	SSE	SSE	SE	SE
16	S	S	S	C	C	S	S	S	SSE	S	E	E
17	E	SE	C	SE	SE	SE	SE	C	SE	E	NE	NNE
18	C	NNE	NNE	NNE	SSE	S	SSE	E	SE	E	ENE	ENE
19	C	NNE	NNE	NNE	NNE	NNE	NNE	NNE	E	SE	ENE	NE
20	C	NE	ENE	C	ENE	ENE	ENE	ENE	SE	ESE	SE	ENE
21	E	E	E	C	C	E	E	E	ESE	ESE	ESE	E
22	C	C	C	C	E	E	E	SSE	S	SSE	SE	E
23	C	N	N	N	N	N	N	N	N	SSW	SSW	SW
24	S	S	S	S	NE	NNW	NNW	NW	SSW	S	SE	NE
25	C	N	N	N	N	N	N	N	ENE	E	E	E
26	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	E	ENE	ENE
27	SSE	C	SSE	SSE	C	SSE	SSE	SSE	ENE	ENE	E	N
28	C	C	NE	C	C	C	NE	NE	E	ENE	SE	NE
29	C	NE	NE	C	C	C	C	NE	NE	NE	E	NE
30	NNE	NE	SSE	S	S	S	S	S	SSE	SSE	NE	NW
31	SSW	S	S	S	S	S	S	C	S	S	SSE	E

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
JULY. 1	NNE	NNE	NNE	NNE	NNE	NE	NE	C	C	C	C	C
2	ENE	ENE	NE	E	ENE	ENE	ENE	ENE	ENE	ENE	ENE	C
3	E	ESE	E	ENE	E	E	ENE	ENE	ENE	ENE	C	C
4	ENE	NNE	NE	SE	E	NE	NE	NE	W	WSW	NW	NW
5	NNE	N	NE	NE	NE	NE	NE	C	C	C	C	C
6	NE	NNE	NE	N	NE	NE	NE	NE	C	C	NE	NE
7	N	N	N	NNE	NE	NE	C	C	C	C	NE	NE
8	S	WSW	N	N	NNW	N	C	C	N	N	N	N
9	NW	N	N	N	N	N	NW	C	NW	NW	NW	NW
10	SW	N	N	N	NNE	N	C	N	N	N	N	C
11	SE	NNE	NNE	N	NNE	NE	NE	C	NE	NE	NE	NE
12	N	N	N	NNE	NE	NNE	NNE	C	C	C	C	C
13	E	NE	NNE	N	NE	NE	NE	NE	C	C	NE	C
14	ENE	N	NE	NE	NE	NE	NE	NE	C	C	C	C
15	N	N	NE	NNE	NE	NE	NE	C	NE	NE	NE	S
16	N	NNE	N	NE	NE	NE	NE	C	C	C	C	NE
17	NNE	N	N	N	N	NNE	C	C	C	C	NNE	C
18	NE	N	N	NE	NNE	NNE	C	C	C	C	C	C
19	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	C
20	NNE	NNE	NNE	NE	NE	ENE	E	E	E	E	E	E
21	ENE	ENE	ENE	NE	NE	ENE	ENE	ENE	E	C	C	C
22	NNE	NNE	NNE	NNE	NE	N	N	C	C	C	C	N
23	SW	NNW	N	N	N	N	N	N	N	SW	SSW	S
24	NNE	N	N	NNE	NNE	N	C	C	C	C	N	N
25	N	NE	NNE	NE	NE	NE	ENE	ENE	ENE	ENE	ENE	E
26	ENE	N	NE	NE	NE	NE	NE	ENE	SSE	SSE	SSE	SSE
27	N	N	NE	NE	NE	NE	NE	NE	NE	NE	C	C
28	NNE	NNE	NNE	NE	NNE	NE	NE	NE	C	C	C	C
29	NNE	NNE	NNE	NNE	NE	NNE	NNE	NNE	C	C	NNE	NNE
30	NE	N	NNE	N	N	N	N	N	ENE	ENE	S	S
31	NE	N	NE	N	NNE	NE	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	0.0	0.8	0.8	1.6	2.4	0.8	0.8	1.6	1.6	3.2	4.0	4.8	—
	2	0.0	0.0	0.0	0.8	0.8	1.6	2.4	1.6	2.4	4.8	6.4	10.5	—
	3	0.0	3.2	7.2	3.2	3.2	0.8	0.0	1.6	4.0	9.7	9.7	10.5	—
	4	0.0	0.8	1.6	0.8	0.0	0.8	1.6	3.2	9.7	13.7	15.3	14.5	—
	5	3.2	4.8	1.6	1.6	1.6	1.6	2.4	4.0	4.0	4.8	6.4	8.0	—
	6	0.0	0.8	1.6	0.8	1.6	0.8	1.6	1.6	3.2	4.0	4.8	4.0	—
	7	2.4	0.0	0.8	2.4	1.6	1.6	1.6	3.2	2.4	3.2	2.4	3.2	—
	8	4.8	6.4	4.8	3.2	4.0	5.6	2.4	4.8	4.8	5.6	5.6	7.2	—
	9	4.0	5.6	9.7	7.2	4.8	4.8	6.4	6.4	8.0	6.4	2.4	4.0	—
	10	0.8	0.8	0.0	0.0	1.6	1.6	0.8	1.6	2.4	4.0	4.0	4.0	—
	11	0.8	0.0	0.8	0.8	0.8	1.6	3.2	1.6	2.4	4.0	4.8	4.8	—
	12	0.8	2.4	2.4	2.4	4.8	4.8	4.0	4.0	0.8	0.8	3.2	3.2	—
	13	0.8	0.8	0.8	0.8	3.2	1.6	2.4	1.6	3.2	2.4	4.8	4.8	—
	14	0.0	0.0	0.8	1.6	0.8	0.8	1.6	3.2	7.2	9.7	12.1	11.3	—
	15	0.0	0.0	0.0	0.0	0.0	0.0	0.8	3.2	4.8	8.0	4.0	3.2	—
	16	6.4	4.8	1.6	0.0	0.0	0.8	0.8	1.6	4.0	2.4	4.8	5.6	—
	17	3.2	0.8	0.0	1.6	1.6	1.6	0.8	0.0	1.6	2.4	4.0	4.8	—
	18	0.0	1.6	1.6	3.2	6.4	6.4	5.6	5.6	6.4	11.3	12.1	9.7	—
	19	0.0	0.8	1.6	0.8	0.8	0.8	3.2	1.6	4.8	6.4	7.2	7.2	—
	20	0.0	1.6	0.8	0.0	0.8	0.8	0.8	1.6	4.0	8.0	8.9	10.5	—
	21	2.4	1.6	0.8	0.0	0.0	0.8	0.8	1.6	10.5	14.5	12.9	14.5	—
	22	0.0	0.0	0.0	0.0	0.8	1.6	2.4	5.6	2.4	4.0	8.0	9.7	—
	23	0.0	0.8	0.8	2.4	2.4	1.6	1.6	3.2	3.2	8.0	4.8	4.8	—
	24	0.8	0.8	3.2	3.2	3.2	1.6	0.8	0.8	4.8	3.2	2.4	4.0	—
	25	0.0	0.8	1.6	0.8	0.8	0.8	0.8	1.6	5.6	10.5	11.3	10.5	—
	26	1.6	1.6	0.8	1.6	0.8	1.6	0.8	0.8	1.6	4.8	8.9	10.5	—
	27	0.8	0.0	0.8	0.8	0.0	1.6	2.4	3.2	4.8	5.6	4.0	7.2	—
	28	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.6	4.0	6.4	4.0	8.0	—
	29	0.0	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	3.2	4.0	6.4	—
	30	4.8	5.6	6.4	6.4	3.2	2.4	2.4	5.6	6.4	4.8	4.8	6.4	—
	31	1.6	3.2	1.6	1.6	0.8	1.6	0.8	0.0	4.0	4.8	5.6	4.8	—
Hourly Means.		1.26	1.65	1.81	1.60	1.70	1.70	1.83	2.53	4.19	5.95	6.37	7.18	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means
JULY.	1	12.1	12.9	12.1	11.3	8.0	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.38
	2	12.1	13.7	10.5	10.5	10.5	8.0	4.8	4.8	2.4	0.8	0.8	0.0	4.59
	3	11.3	9.7	9.7	15.3	12.9	10.5	5.6	1.6	1.6	0.8	0.0	0.0	5.50
	4	10.5	13.7	15.3	4.8	4.0	3.2	1.6	3.2	4.8	3.2	3.2	1.6	5.46
	5	8.0	9.7	15.3	11.3	8.0	6.4	1.6	0.0	0.0	0.0	0.0	0.0	4.35
	6	8.0	15.3	14.5	12.1	8.0	3.2	0.8	0.8	0.0	0.0	0.8	3.2	3.81
	7	5.6	6.4	10.5	10.5	7.2	0.8	0.0	0.0	0.0	0.0	1.6	3.2	2.94
	8	4.8	4.8	8.0	11.3	5.6	2.4	0.0	0.0	0.8	0.8	3.2	4.8	4.40
	9	6.4	8.0	8.0	8.9	6.4	2.4	0.8	0.0	1.6	1.6	1.6	1.6	4.88
	10	2.4	6.4	7.2	12.9	8.0	1.6	0.0	0.8	0.8	0.8	0.8	0.0	2.64
	11	4.8	12.1	15.3	12.1	8.9	1.6	0.8	0.0	0.8	0.8	0.8	1.6	3.55
	12	4.0	8.9	9.7	12.9	10.5	2.4	0.8	0.0	0.0	0.0	0.0	0.0	3.45
	13	3.2	10.5	14.5	12.1	8.0	5.6	1.6	0.8	0.0	0.0	0.8	0.0	3.51
	14	9.7	12.9	16.1	14.5	8.0	5.6	1.6	0.8	0.0	0.0	0.0	0.0	4.93
	15	4.8	12.1	14.5	14.5	11.3	3.2	1.6	0.0	0.8	1.6	4.8	6.4	4.15
	16	11.3	16.1	12.1	11.3	11.3	3.2	0.8	0.0	0.0	0.0	0.0	0.8	4.15
	17	3.2	8.0	8.9	7.2	4.8	3.2	0.0	0.0	0.0	0.0	0.8	0.0	2.44
	18	9.7	12.9	12.9	10.5	7.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	5.20
	19	12.1	12.1	12.9	11.3	8.0	6.4	2.4	0.8	0.8	0.8	0.8	0.0	4.32
	20	12.9	14.5	9.7	13.7	13.7	8.0	8.0	3.2	0.8	0.8	1.6	3.2	5.33
	21	13.7	15.3	16.9	16.9	14.5	9.7	3.2	2.4	0.8	0.0	0.0	0.0	6.41
	22	11.3	15.3	14.5	15.3	11.3	2.4	0.8	0.0	0.0	0.0	0.0	0.8	4.43
	23	4.8	8.9	7.2	8.0	6.4	1.6	1.6	0.8	3.2	4.8	1.6	1.6	3.50
	24	7.2	12.1	11.3	12.1	8.0	1.6	0.0	0.0	0.0	0.0	0.8	0.8	3.45
	25	11.3	11.3	10.5	8.0	8.0	4.0	4.8	0.8	0.8	1.6	0.8	3.2	4.59
	26	8.9	11.3	12.1	10.5	8.9	4.8	2.4	2.4	4.0	2.4	1.6	1.6	4.43
	27	12.9	13.7	14.5	12.1	8.9	4.0	0.8	0.8	0.8	0.8	0.0	0.0	4.19
	28	12.9	15.3	15.3	12.9	8.0	4.8	1.6	0.8	0.0	0.0	0.0	0.0	4.05
	29	9.7	11.3	12.1	11.3	6.4	4.0	0.8	1.6	0.0	0.0	2.4	3.2	3.32
	30	9.7	12.9	14.5	9.7	4.0	2.4	0.8	1.6	5.6	3.2	2.4	1.6	5.32
	31	4.8	9.7	12.9	12.1	8.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.38
Hourly Means.		8.52	11.54	12.24	11.55	8.50	3.95	1.63	0.90	0.98	0.80	1.01	1.26	4.19

CLOUDS.

CLEAR = 0 — OVERCAST = 10

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	2	4	3	2	2	7	7	8	3	2	3	5	—
	2	1	2	2	1	1	5	1	2	1	5	4	8	—
	3	2	10	10	10	10	10	10	9	6	4	1	3	—
	4	2	2	1	1	2	2	1	0	0	1	0	2	—
	5	5	3	2	2	2	6	6	5	2	3	1	1	—
	6	2	2	3	2	4	5	7	4	2	3	5	5	—
	7	1	1	2	1	1	1	2	1	0	0	1	3	—
	8	2	4	2	2	4	2	6	2	0	0	0	1	—
	9	2	3	2	1	0	1	0	0	0	0	2	3	—
	10	1	0	0	0	1	5	5	3	3	2	4	4	—
	11	2	2	5	4	2	5	4	3	4	2	2	4	—
	12	1	3	1	0	1	4	5	9	3	1	0	0	—
	13	3	1	1	1	1	2	1	0	1	1	2	2	—
	14	3	3	7	7	9	10	10	4	3	3	2	7	—
	15	9	4	2	2	3	4	3	1	0	2	4	7	—
	16	9	9	7	4	3	6	7	8	7	6	5	6	—
	17	7	2	2	6	8	9	7	4	5	2	1	4	—
	18	10	7	4	8	10	10	10	9	3	2	3	3	—
	19	2	2	1	1	2	4	2	2	2	0	0	0	—
	20	3	2	2	1	1	3	2	0	0	0	1	2	—
	21	1	1	2	1	3	5	6	4	2	2	2	3	—
	22	1	0	0	1	1	1	2	1	0	1	1	1	—
	23	10	6	4	4	6	4	1	4	3	5	6	7	—
	24	8	8	7	10	10	10	10	10	5	6	4	4	—
	25	3	2	8	7	8	7	2	1	2	7	7	4	—
	26	5	8	8	3	2	5	6	4	2	2	2	1	—
	27	2	9	1	1	1	1	1	0	0	1	1	2	—
	28	8	8	6	6	6	4	3	1	1	1	0	1	—
	29	1	2	1	0	4	8	3	6	2	2	7	7	—
	30	8	5	8	3	4	8	10	1	2	3	2	3	—
	31	10	10	10	10	10	10	10	9	8	8	6	4	—
Hourly Means.		4.1	4.0	3.7	3.3	3.9	5.3	4.8	3.7	2.3	2.5	2.5	3.5	—

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	4	2	1	1	2	2	2	1	6	9	9	5	3.8
	2	9	4	7	7	8	8	4	3	2	2	2	3	3.8
	3	8	8	2	1	1	3	2	2	1	1	2	2	4.9
	4	3	7	6	7	6	7	5	10	10	10	10	9	4.3
	5	2	2	1	1	1	2	3	1	4	6	6	7	3.1
	6	5	2	1	1	1	1	3	5	8	5	4	2	3.4
	7	4	2	3	2	3	5	2	2	1	1	2	1	1.8
	8	0	0	0	0	1	5	4	3	3	2	2	2	2.0
	9	1	1	1	0	1	2	2	6	2	2	1	1	1.4
	10	2	5	1	0	0	1	1	7	4	2	2	3	2.3
	11	3	2	1	1	2	4	5	4	10	4	4	2	3.4
	12	3	2	2	2	4	4	3	4	4	6	3	2	2.8
	13	8	4	2	1	1	6	4	3	4	5	5	6	2.7
	14	6	6	2	1	9	9	8	8	9	9	2	9	6.1
	15	8	4	2	2	2	2	9	9	9	9	9	10	4.8
	16	4	2	1	2	3	3	6	10	10	10	6	5	5.8
	17	9	9	8	9	5	6	2	8	9	10	10	10	6.3
	18	5	4	4	3	2	5	8	10	10	9	9	4	6.3
	19	2	2	1	2	2	2	2	7	8	5	5	8	2.7
	20	3	2	2	1	2	4	6	1	2	1	2	0	1.8
	21	5	3	2	2	3	2	1	2	1	6	6	5	2.9
	22	2	2	3	3	2	3	5	9	10	9	10	10	3.3
	23	7	5	5	8	8	10	8	3	9	10	10	10	6.4
	24	2	1	1	1	2	1	2	2	8	8	7	2	5.4
	25	9	10	10	6	7	7	7	6	8	9	9	3	6.2
	26	2	10	5	3	4	9	10	10	10	10	10	10	5.9
	27	2	2	3	4	8	8	8	8	7	5	10	7	3.8
	28	1	0	0	0	2	3	2	5	7	7	4	2	3.3
	29	2	1	1	1	2	4	3	4	9	7	3	8	3.7
	30	7	4	6	3	1	6	4	7	9	9	8	10	5.5
	31	4	3	2	2	1	3	6	4	8	10	10	6	6.8
Hourly Means.		4.3	3.6	2.8	2.5	3.1	4.4	4.4	5.3	6.5	6.4	5.9	5.3	4.09

DURATION OF SUNSHINE.

	Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
JULY.	1	10	10	8	10	10	10	10	6	10	10	10	10	10	10	10	10	9.6
	2	10	10	9	9	6	3	6	5	3	6	2	3	9	9	8	5	6.4
	3	0	1	6	10	8	10	10	10	7	6	5	2	7	10	10	9	6.9
	4	10	10	10	10	10	10	10	10	10	8	9	9	1	3	0	1	7.6
	5	9	7	9	9	7	10	10	10	10	10	10	10	9	9	10	10	9.3
	6	9	9	8	9	10	10	7	7	6	5	4	10	10	10	10	10	8.4
	7	5	10	10	10	10	10	9	7	7	6	9	7	10	9	10	10	8.7
	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
	10	10	10	10	10	10	10	9	8	8	3	9	7	9	10	10	9	8.9
	11	10	10	10	10	10	10	10	10	10	8	9	7	10	10	10	10	9.6
	12	1	1	3	9	10	10	10	10	10	10	10	9	10	10	10	10	8.3
	13	10	10	10	10	10	10	10	9	9	2	0	4	9	9	8	10	8.1
	14	9	1	8	6	10	10	10	10	8	7	4	7	10	10	10	10	8.1
	15	10	10	10	10	10	9	6	6	5	6	3	8	10	10	10	10	8.3
	16	7	9	9	10	10	10	10	10	8	7	7	10	10	10	10	10	9.2
	17	3	7	9	10	8	8	10	10	8	7	1	1	2	3	1	0	5.5
	18	1	7	10	10	10	8	6	8	8	10	8	9	9	8	9	9	8.1
	19	8	10	10	10	10	10	10	9	10	5	10	10	8	10	10	10	9.4
	20	10	10	10	10	10	10	10	10	10	10	9	10	10	9	9	8	9.7
	21	10	10	10	10	10	10	10	10	9	9	7	9	8	10	10	2	9.0
	22	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
	23	1	1	7	8	8	4	6	9	7	8	6	7	7	9	3	4	5.9
	24	2	10	10	10	8	7	9	8	10	9	10	8	9	10	10	10	8.8
	25	9	10	10	8	7	5	8	10	7	4	1	0	0	0	0	0	4.9
	26	10	10	10	10	10	10	10	10	10	10	9	1	0	2	8	9	8.1
	27	10	10	10	10	10	10	10	7	10	10	10	9	10	10	10	10	9.8
	28	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.9
	29	3	6	10	9	10	7	1	2	9	10	10	10	10	10	10	10	7.9
	30	7	9	10	9	7	10	10	10	8	7	6	7	9	5	3	8	7.8
	31	0	4	6	7	4	5	7	9	9	9	7	8	9	10	10	10	7.1
Means.		7.2	8.1	9.1	9.5	9.1	8.9	8.8	8.7	8.6	7.8	7.3	7.5	8.2	8.5	8.4	8.2	8.37

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

JULY.

Mean Batavia Time.	$7^{h}30$ A. M.	8	$8^{h}30$	9	$9^{h}30$	10	$10^{h}30$	11	$11^{h}30$	12	$0^{h}30$ P. M.	1	$1^{h}30$	2	$2^{h}30$	3	$3^{h}30$	4	$4^{h}30$
1	31.9	38.9	42.4	42.6	46.0	48.7	49.9	51.5	52.0	41.6	52.4	52.5	51.4	50.4	49.4	47.6	46.4	44.2	34.3
2	34.1	41.1	42.4	42.1	43.8	44.8	40.4	51.1	47.9	46.9	46.8	43.9	37.9	47.8	49.0	47.2	44.6	36.2	34.1
3	23.8	25.9	28.9	38.9	42.4	45.4	47.0	48.4	49.0	47.5	48.9	48.6	46.1	40.5	47.4	48.2	47.9	44.5	35.4
4	32.0	40.4	43.4	46.3	47.0	47.9	48.4	49.8	49.4	50.4	48.0	53.3	52.8	43.9	37.6	35.3	32.7	29.9	32.3
5	32.9	36.9	40.9	43.0	44.4	43.4	48.1	49.4	49.4	49.8	50.4	50.4	49.3	50.3	48.5	47.9	45.3	44.8	37.4
6	26.9	37.5	41.9	43.2	45.6	49.1	49.8	48.1	45.2	41.6	44.4	37.3	46.9	48.0	47.8	47.2	45.6	43.9	33.9
7	30.1	31.4	38.0	44.4	44.9	47.5	48.5	49.7	50.4	47.4	50.9	48.2	50.2	47.3	49.4	46.6	45.7	42.3	33.6
8	31.0	38.4	40.6	44.3	45.7	47.9	48.4	49.9	49.4	50.4	50.4	50.4	50.4	51.0	50.4	48.6	46.9	43.7	33.4
9	30.8	37.9	41.0	44.8	46.0	47.4	48.4	50.4	50.6	50.9	50.4	51.4	51.4	50.4	49.3	48.0	46.6	43.9	34.2
10	26.0	36.8	41.1	42.7	45.4	47.6	49.0	52.1	47.6	51.4	47.4	49.4	51.9	46.0	48.3	48.9	46.4	43.4	35.3
11	31.0	37.6	39.6	43.5	45.0	47.6	48.1	49.5	50.3	51.6	52.1	45.9	50.4	47.9	47.2	46.2	44.6	43.1	32.9
12	23.1	26.6	29.8	32.4	42.9	48.4	49.6	50.1	50.8	51.4	52.2	51.9	52.4	50.1	49.4	47.5	46.3	42.8	31.7
13	32.9	38.9	41.1	43.6	44.8	47.1	47.9	49.3	50.5	49.9	47.0	33.8	36.9	49.9	48.4	44.1	45.4	43.2	33.7
14	26.8	37.9	42.9	39.4	45.8	46.9	48.2	49.4	49.9	49.3	51.9	40.9	48.2	47.9	49.0	45.9	44.9	39.9	33.9
15	29.4	38.4	40.4	43.7	45.4	47.6	48.8	45.9	46.1	40.2	51.6	38.9	40.4	41.9	44.4	43.1	43.4	39.1	33.3
16	24.6	32.1	37.6	41.3	42.8	47.3	49.2	50.3	50.9	53.1	48.4	50.4	50.4	49.9	48.4	47.4	47.4	43.6	34.9
17	27.1	28.4	36.9	44.8	46.5	49.4	47.2	51.4	52.0	51.7	50.4	41.5	42.6	39.6	38.6	43.9	38.5	32.6	31.6
18	24.4	28.7	31.5	42.9	44.5	46.6	49.2	45.5	49.4	49.3	50.4	45.8	49.4	47.6	47.5	49.1	45.9	41.9	34.4
19	24.5	33.9	39.4	43.4	42.5	47.4	45.4	49.4	48.3	50.9	44.9	49.9	49.8	46.8	48.4	47.1	46.1	43.4	34.4
20	29.2	37.1	39.7	44.2	45.3	47.5	48.1	49.2	49.9	50.5	51.1	51.9	50.4	49.9	50.4	47.3	48.3	40.4	35.4
21	28.2	37.1	45.4	44.3	45.2	47.6	48.4	49.5	49.8	50.8	52.2	49.4	50.4	49.4	46.0	47.4	45.2	40.4	33.9
22	29.4	37.4	39.9	44.4	46.6	48.3	49.1	50.7	50.4	51.9	51.9	51.8	51.4	50.3	48.9	46.6	45.5	42.7	34.7
23	29.1	32.3	32.9	42.9	44.3	48.4	45.9	46.4	49.7	52.3	48.4	47.8	49.6	48.8	43.4	42.5	39.0	34.8	34.3
24	21.9	23.9	37.4	42.4	44.4	46.9	45.4	48.4	47.5	49.4	50.8	50.9	50.3	47.4	47.1	45.5	44.9	42.0	31.9
25	29.1	37.9	40.9	44.7	45.9	47.9	44.6	48.9	48.6	49.6	48.9	42.4	46.4	36.9	36.4	32.9	34.4	33.5	31.4
26	28.6	37.7	41.3	44.2	46.1	47.9	48.7	49.8	49.8	50.7	50.6	50.9	48.1	38.9	36.6	39.3	43.5	41.1	35.2
27	28.8	37.9	40.8	44.6	44.6	47.3	48.2	49.7	50.4	51.0	52.4	49.6	49.5	48.4	49.1	47.0	44.6	42.4	37.5
28	26.7	37.8	41.5	45.4	46.4	47.9	48.4	49.4	50.0	50.9	50.9	49.4	49.4	49.0	49.1	46.9	45.7	43.4	36.8
29	24.9	29.9	32.5	43.4	44.5	46.3	46.4	44.4	44.9	49.9	50.0	50.4	50.4	49.9	48.9	47.5	45.9	42.8	35.4
30	26.4	36.2	38.6	43.6	45.4	44.2	49.0	49.9	50.9	50.4	47.0	48.4	49.4	45.4	46.4	40.4	40.4	41.9	36.4
31	21.2	24.7	27.4	45.0	41.6	39.8	43.4	48.5	48.1	49.3	50.4	42.0	51.0	51.8	49.6	47.0	45.9	42.9	36.2
Means.	27.96	34.76	38.65	43.11	44.89	47.03	47.65	49.23	49.33	49.42	49.79	47.40	48.55	47.17	46.78	45.49	44.32	41.12	34.32

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE HEIGHT ABOVE THE GROUND = 7.8 METER

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	47	44	50	41	44	39	58	72	39	— 3	0	14	—
	2	50	47	44	33	33	44	63	17	— 11	— 22	11	14	—
	3	88	178	N	116	N	124	P N	61	47	28	25	25	—
	4	66	61	66	39	69	74	105	91	30	19	33	28	—
	5	36	33	33	41	69	66	102	107	69	28	25	33	—
	6	58	39	30	28	30	36	52	61	41	17	28	33	—
	7	30	33	30	28	50	50	69	47	39	22	19	22	—
	8	39	33	33	33	30	30	44	25	11	14	30	28	—
	9	33	22	19	19	25	25	41	14	33	36	22	22	—
	10	52	47	50	47	50	55	77	77	14	19	14	17	—
	11	66	44	44	41	41	44	63	69	30	3	14	17	—
	12	61	47	44	41	47	47	55	66	72	14	25	39	—
	13	55	50	58	50	55	55	47	58	33	— 11	14	—	—
	14	—	—	—	—	—	—	—	6	— 6	— 6	3	17	—
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	—	—	—	—	—	—	—	41	28	17	14	11	—
	17	44	25	14	14	8	11	11	50	30	39	19	14	—
	18	36	30	28	28	22	28	22	14	8	22	6	19	—
	19	8	8	8	6	11	11	28	28	0	— 8	11	6	—
	20	14	3	6	3	6	3	8	30	— 6	0	8	17	—
	21	36	33	25	19	44	47	72	61	30	11	28	19	—
	22	—	—	—	—	—	—	—	44	— 8	— 30	8	19	—
	23	30	14	11	11	14	11	28	30	19	— 6	3	8	—
	24	58	52	47	55	30	— 55	11	30	77	25	25	22	—
	25	22	22	8	11	8	6	14	39	28	17	19	25	—
	26	47	50	44	44	36	28	58	83	63	25	25	22	—
	27	—	—	—	—	—	—	—	33	33	25	17	14	—
	28	—	—	—	—	—	—	—	44	28	22	8	8	—
	29	58	58	52	58	55	—	—	—	25	22	14	25	—
	30	50	39	39	47	44	33	44	47	39	33	25	14	—
	31	—	—	—	—	—	—	—	72	91	58	39	36	—
	Hourly Means.	45.2	42.2	34.0	35 5	38.3	35.3	48.7	48.9	30.9	14.3	17.7	20.3	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	11	14	25	17	28	44	77	94	91	80	69	80	44.8
	2	14	22	22	17	19	44	63	88	66	74	83	83	38.3
	3	25	N	30	28	8	36	52	63	80	77	72	72	61.8
	4	25	33	41	63	63	47	88	110	P N	P N	0	33	53.8
	5	41	39	36	36	41	52	72	80	77	66	69	74	55.2
	6	39	28	39	41	47	47	52	80	61	69	50	41	43.6
	7	28	22	28	30	30	36	83	96	85	72	77	61	45.3
	8	25	17	14	0	14	36	66	132	135	83	47	33	39.7
	9	25	14	11	17	22	33	33	—	—	—	—	55	26.1
	10	22	11	8	— 14	28	47	36	99	88	96	72	55	44.5
	11	25	8	8	0	22	36	52	74	91	72	72	66	41.8
	12	30	25	22	19	33	36	50	66	72	83	83	55	47.2
	13	—	—	—	—	—	—	—	—	—	—	—	—	42.2
	14	19	—	—	—	—	—	—	—	—	—	—	—	5.5
	15	—	—	—	—	—	—	—	—	—	—	—	—	—
	16	6	11	8	3	19	14	44	52	77	69	105	55	33.8
	17	3	— 8	— 6	17	19	25	41	61	63	61	41	61	27.4
	18	19	— 8	8	— 6	0	22	39	36	50	55	44	14	22.3
	19	8	14	14	0	14	17	22	19	36	25	17	47	13.3
	20	11	17	0	— 3	0	33	25	39	36	41	50	33	15.6
	21	—	—	—	—	—	—	—	—	—	—	—	—	35.4
	22	17	25	8	— 3	22	22	33	44	19	33	39	44	19.8
	23	14	6	6	17	25	22	61	80	113	N	44	88	28.2
	24	30	33	30	28	25	41	52	85	94	91	72	61	42.5
	25	19	22	28	33	36	63	44	14	52	61	63	50	29.3
	26	22	11	6	—	—	—	—	—	—	—	—	—	37.6
	27	8	11	28	0	— 6	11	14	14	6	11	—	—	14.6
	28	3	6	3	6	8	22	33	36	50	50	55	61	26.1
	29	3	8	11	28	8	11	19	39	52	61	69	47	34.4
	30	14	— 3	8	6	25	36	39	44	14	—	—	—	30.3
	31	33	33	39	33	36	41	50	63	88	99	72	72	56.2
	Hourly Means.	19.3	15.8	17.6	15.9	22.5	33.6	47.7	64.3	66 5	65.0	59.3	58.8	37.40

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	10.26	9.96	9.67	9.50	9.92	10.13	10.72	11.27	11.44	11.33	10.94	10.24	—
	2	10.49	10.36	9.87	9.88	10.29	10.47	11.04	11.58	11.58	11.41	10.70	9.98	—
	3	10.58	10 26	10.04	9.76	9.68	9.76	9.69	10.54	10.99	10.87	10.50	9.93	—
	4	10.20	9.72	9.42	9.54	9.73	10.02	10.30	10.40	10.71	10.65	10.16	9.56	—
	5	10.21	9.96	9.53	9.81	9.67	10.12	10.71	11.18	11.30	11.08	10.69	10.04	—
	6	10.36	9.97	9.61	9.63	10.07	10.23	10.50	10.85	11 11	10.87	10.73	10.10	—
	7	10.35	9.72	9.47	9.48	9.68	10.03	10.66	11.11	11.42	11.10	10.63	10.10	—
	8	10.39	10.06	9.83	9.76	9.77	10.19	10 57	10.87	11.27	11.15	10.83	10.13	—
	9	10.47	10.37	10.25	10.06	10.27	10.63	11.01	11.76	11.82	11.84	11.22	10.74	—
	10	10.57	10.12	9.81	9.87	10.07	10.52	11.12	11.39	11.43	11.05	10.52	9.99	—
	11	10.06	9 58	9.28	9.23	9.43	9.71	10.13	10.53	10.70	10.38	10 05	9.36	—
	12	9.38	9.08	8.76	8.86	9.22	9.67	10.19	10.53	10.57	10.58	10.12	9.60	—
	13	10.74	10.41	10.30	10.50	10.64	10.87	11.33	11.62	11.97	11.88	11.20	10.79	—
	14	10.93	10.48	10.02	10.09	10.32	10.82	11.15	11.68	11.92	11.92	11.40	10.54	—
	15	10 91	10.52	10.41	10.52	10.79	10.93	11.37	11.82	11.73	11.70	11.08	10.25	—
	16	10.87	10.63	10.37	10.46	10 66	10.89	11.34	11.68	11.88	11.53	11.01	10.13	—
	17	10.56	10.48	10.25	10.22	10.39	10.91	11.36	11.81	11.96	11.65	10.98	10.40	—
	18	11.17	10.85	10.57	10.38	10.42	10.91	11.29	11.54	11.60	11.18	10.49	10.11	—
	19	10.61	10.26	9.95	9.93	10.04	10.41	11.12	11.47	11.78	11.45	10.81	10.10	—
	20	10.78	10.42	10.26	10.40	10.77	11.08	11.83	12.32	12.15	11.67	11.08	10.50	—
	21	10.86	10.68	10.46	10.32	10.48	10.90	11.35	11.54	11.79	11.67	11.46	10.80	—
	22	10.94	10.36	10.45	10.00	10.08	10.63	10.93	11.39	11.65	11.32	10.83	10.20	—
	23	10.22	10.07	9.90	10.17	10.10	10.33	10.70	11.29	11.59	11.39	10 80	10 22	—
	24	9.84	9.73	9.68	9.52	9.44	9.98	10.66	11.21	11.24	11.09	10.49	10.13	—
	25	10.49	10.15	10.04	10.03	9 97	10.43	10.88	11.27	11.63	11.44	10.85	10.28	—
	26	10.33	10.09	10.16	10.07	10 48	10.83	10 83	11.33	11.35	11.16	10.58	9.79	—
	27	10.39	10.16	9.97	9.88	9.82	10.09	10.50	10.75	10.83	10.44	9.87	8 98	—
	28	9 84	9.49	9.23	9.28	9.62	10.14	10.60	11.00	10.99	10.85	10.28	9.53	—
	29	10.67	10.63	10.59	10.51	10.76	11.23	11.66	11.99	11.81	11.51	10.69	10.06	—
	30	10.21	9.73	9.61	9.64	9.72	10.44	10.92	11.27	11.39	11.11	10.48	9.70	—
	31	10.48	10.07	10.00	9.79	9 91	10.17	10.55	10.89	10.88	10.55	9.75	8.85	—
Hourly Means.		10.46	10.14	9.93	9.91	10.07	10.43	10.87	11.29	11.43	11.22	10.68	10.04	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	9.88	9.08	8.72	8.64	8.91	9.20	9.91	10.40	11.03	11.33	11.47	11.17	10.21
	2	9.24	8.64	8.14	8.04	8.19	8.61	9.27	10.07	10.61	10.88	11.21	10.97	10.06
	3	9.39	8.95	8.46	8.26	8.42	8.70	9.06	9.46	9.81	10.10	10.23	10.32	9.74
	4	8 84	8.47	8.23	8.20	8.63	9.38	9.89	10.55	10.87	11.08	11.31	10.91	9.87
	5	9.10	8.54	8.13	8.21	8.64	9.14	9.53	10.24	10.67	10.88	10.85	10.83	9.96
	6	9.50	8.69	8.52	8.25	8.50	9.29	9.78	10.22	10.67	10.86	10.85	10.77	10.00
	7	9.70	9.07	8.56	8.55	8.54	8.62	9.72	9.92	10.42	10.86	10.80	10.57	9.96
	8	9.77	9.20	8.73	8.78	8.76	9.26	9.83	10.49	10.78	10.86	10.91	10.64	10.12
	9	10 09	9.49	8.99	8.84	9.10	9.31	10.00	10.80	10.98	11.10	11.11	10.98	10.47
	10	9.26	8.53	8.24	8.34	8.53	8.82	9.38	9.69	10.28	10.65	10 76	10.60	9.98
	11	8.81	8.18	7.90	8.01	8.22	8.29	8.72	9.33	9.84	10.21	10.48	9.90	9.43
	12	8.90	8.39	8.20	8.24	8.37	8.98	9.73	10.42	10.95	11.45	11.62	11.25	9.71
	13	10.10	9.66	9.35	9.15	9.53	9.93	10.55	11.13	11.58	11.94	11.51	11.33	10.75
	14	9.83	9.24	9.18	8.95	9.27	9.53	10.35	10.83	11.15	11.66	11.81	11.56	10.61
	15	9.35	8.80	8.58	8.50	8.85	9.28	9.79	10.55	11.15	11.31	11.41	11.17	10.45
	16	9.80	9.39	8.88	8.75	9.09	9.34	9.95	10.45	10.81	11.15	11.30	11.16	10.48
	17	9.58	8.97	8.63	8.55	9.02	9.26	9.95	10.37	11.02	11.38	11.51	11.46	10.44
	18	9.05	8.48	8.05	8.18	8.21	8.90	9.48	9.84	10.47	10.92	11.10	10.97	10.17
	19	9.39	8 83	8.29	8.33	8.87	9.26	9.94	10.50	11.00	11.22	11.43	11.22	10.26
	20	9.92	9.43	8.97	9.00	9.25	9.68	10.19	10.83	11.16	11.41	11.48	11.38	10.67
	21	10.01	9.43	9.22	9.05	9.17	9.64	10.14	10.83	11.18	11.14	11.35	11.40	10 62
	22	9.56	8.90	8.55	8.54	8.85	9.20	9.85	10.30	10.53	10.42	10.61	10.56	10.19
	23	9.34	8.65	8.27	8.11	8.34	8.64	9.14	9.80	9.97	10.13	10 08	9.83	9.88
	24	9.87	9.31	8 87	8.73	9.06	9.30	10.10	10.71	11.22	11.38	11.17	10.96	10.15
	25	9.55	9.15	8 98	8.99	9.23	9.69	10.25	10.97	11.05	11.06	11.10	10.76	10.34
	26	9.38	8.65	8.24	8 29	8.74	9.06	9.61	10.16	10.30	10.62	10.68	10.72	10.06
	27	8.24	7.99	7.60	7.98	8.52	8 89	9 58	10.08	10.22	10.18	10.24	10.21	9.64
	28	9.02	8.09	7.94	8.10	8.44	8.90	9.52	10.46	10.88	11.20	11.47	11.02	9.83
	29	9.28	9.30	8.89	8.93	9.26	9.83	10.44	11.18	11.50	11.31	11.35	10.87	10.59
	30	8.74	8.18	7.82	7.78	8.05	8.49	9.10	9.78	10.42	10 71	10.91	10.76	9.79
	31	8.12	7.50	7.25	7.25	7.68	8.04	8.84	9.30	9.65	9.94	10.08	10.00	9.40
Hourly Means.		9.37	8.81	8.46	8.44	8.72	9.11	9.73	10.31	10.72	10.95	11.04	10.85	10.12

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	73.6	73.2	72.9	72.1	71.6	71.4	71.5	73.1	75.4	79.6	82.3	84.5	—
	2	72 5	71.8	71.2	70.9	70.0	69.2	69.5	72.1	76.8	80.7	84.0	85.5	—
	3	75.3	74.7	74.0	73.1	72.3	71.6	72.0	74.6	77.8	81.2	83.5	84.3	—
	4	74.7	74.0	73.5	72.8	72.3	71.6	72.0	74.4	78.1	81.0	84.0	85.4	—
	5	76.1	74.9	74.5	74.5	74.7	75.0	75.2	76.6	79.4	82.3	84.3	86.0	—
	6	77.4	76.7	76.0	75.8	75.3	75.1	75.6	78 5	80.5	82.2	84.0	85.0	—
	7	74.2	74.2	74.2	73.9	73.9	73.7	73.9	75.0	77.0	79.2	81.6	84.1	—
	8	73.9	74.2	73.5	73.2	73.2	72.8	72.8	75.7	79.5	81.6	84.0	84.6	—
	9	75.5	74.6	74.7	74.9	74.7	74.0	73.8	76.3	79.2	81.5	83.3	85.0	—
	10	77 0	76.0	75.8	75.0	74.2	73.3	73.4	76 0	78 8	81.6	84.2	85.9	—
	11	75.6	75.1	75.0	74.4	74.0	74.0	73.6	75.9	79.0	81.1	81.7	83.9	—
	12	74.2	73 0	72.4	71.3	70.0	69 7	70.5	73.7	78 0	81.1	83.3	83.9	—
	13	73 6	72.8	72.2	71.4	70.5	70.1	70.4	73.0	77.6	81.0	83.0	84.4	—
	14	74.4	73.7	72.7	71.8	71.2	71.0	72.0	74.8	78.0	80.1	82.9	84.3	—
	15	76.2	75.0	74 5	73.5	72.6	72.3	72.6	75.4	79.3	81.2	83.5	84.6	—
	16	75.1	73.7	72.9	72.2	72.0	71.3	71.6	74.3	78.0	80.6	81.6	83.6	—
	17	76.7	75.5	75.0	73.7	73.1	72.7	73.0	75.5	78.7	81.2	84 0	84.3	—
	18	76.1	75.7	75.2	74.8	74.0	73.1	73.1	76.2	79.8	82.5	84.0	85.4	—
	19	76.4	75.4	74.6	72.7	71.8	71.1	71.3	74.1	78.0	81.3	84.0	85.2	—
	20	72.4	71.2	70.5	69.6	69.6	68.8	69.7	73.0	77.4	81.4	84.6	87.2	—
	21	73.1	72.3	71.9	71.1	70.8	70.8	72.1	74.7	78.2	81.0	83.0	85.0	—
	22	73.0	71.9	70.6	69.6	68.0	67.5	68.8	71.0	74.3	79.0	81.4	83.5	—
	23	71.0	69.6	69.0	68.4	67.9	67.5	68.0	71.6	76.0	79.7	82.3	84.7	—
	24	71.0	69.9	69.5	68.9	68.7	68.2	68.6	72.7	77.0	81.0	83.7	84.1	—
	25	71 6	70.4	69.6	69.0	68.6	68.0	68 9	73.2	77.6	80.6	83.4	84.5	—
	26	75.6	73.8	71.7	70.3	69.3	68 8	69.4	72 3	77.6	81.0	83.0	84.8	—
	27	71.5	70.8	69.7	68.9	68.6	68.2	69.1	72.6	75.9	80.3	83.4	85.8	—
	28	72.4	71.0	70.0	69.2	68.2	67.9	68.1	71.0	76.9	81.6	84.5	85.1	—
	29	74.8	74.3	74.0	73.5	73.1	73.0	73.2	76.1	79.9	83.0	85.3	87.1	—
	30	75.5	74.6	73.3	72.7	71.9	71.3	72.2	75.4	79.4	82.0	84 0	85.5	—
	31	76.2	74.5	73.2	71.6	71.2	70.8	71.4	75.3	79.0	81.7	85.0	86.0	—
Hourly Means.		74.41	73 50	72.83	72.09	71.53	71.09	71.53	74.33	78.00	81.07	83.45	84.94	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	84.5	84.7	84.7	83.5	82.8	80.7	79.0	77.6	76.2	75.0	74.0	73.2	77.38
	2	85.8	85.0	84.6	83.7	82.5	81.0	79.8	78.0	77.0	76.4	76.1	76.0	77.50
	3	83.5	84.6	85.1	84.7	83.9	82.6	81.2	80.0	78.8	78.0	77.0	75.7	78.73
	4	85.0	84.7	84.6	83.0	81.9	81.1	80.8	80.7	80.1	78.4	77.7	77.0	78.70
	5	87.4	87.0	86.1	85.0	83.0	81.0	80.1	79.5	79.0	78.5	78.1	77.6	79.83
	6	85.6	86.0	85.3	83.6	82.5	81 6	80.7	76.0	75.4	75.2	74.6	74.2	79.28
	7	78.3	78.1	81.4	81.6	79.6	78.8	77.8	76.5	75.3	75.0	74.8	74.3	76.93
	8	85.2	85.6	84.9	84.0	82.9	81 8	80.6	78.8	77.6	77.2	76.6	76.0	78.76
	9	85.6	85.3	84.7	83.9	82.6	81.1	80.6	79.7	79.5	79.3	78.8	77.8	79.43
	10	87.6	87.8	85.6	84.6	83.6	81.8	80.2	79.7	79.5	78.5	77.9	76.6	79.78
	11	85.8	85.4	84.0	82.7	82.0	80.9	79.0	78.2	77 8	77.0	76.6	75.7	78.68
	12	84.9	84.0	83.4	82.2	81.7	80.5	78.9	77.7	77 2	76.5	75.7	75.0	77.45
	13	85.4	85.0	85.0	84.3	83 0	81.0	79.6	78.0	77 3	76.9	76.5	75.0	77.79
	14	84.6	84.4	83.5	82.8	81.8	80.7	80.4	80.0	79.5	78.3	77.1	76.5	78.19
	15	85.2	85.2	84.3	83.5	82.0	81.0	79.6	79.0	78.8	78.4	77.7	76.9	78.85
	16	85.2	84.9	84.1	83.1	81.9	80.8	79.3	78.3	77.5	77.5	77.5	77.1	78.09
	17	85.7	84.7	82.6	82.2	81.6	80.7	80.4	79.5	79.2	79.0	77.6	76.4	78.88
	18	86.0	86.2	85.0	83.7	82.7	81.7	81.1	80.0	79.2	78.2	78.0	77.0	79.53
	19	85.3	85.5	85.5	83.6	82.1	81 3	79.7	77.7	76.9	75.1	74.1	73.2	78.16
	20	87.7	85.7	85.1	83.9	83.0	81.4	79.2	77.6	76.4	75.6	74.3	73.7	77.46
	21	86.5	86.7	84.5	83.6	82.4	81.2	80.0	79.2	78.2	77.6	76.8	75.6	78.18
	22	85.3	84.8	84 3	83 0	82.0	80.3	78.6	77.2	75.8	74.3	73.4	71.8	76.23
	23	86.6	86.4	85.0	84.9	83.0	81.4	79.0	77.1	76.5	74.7	73.2	72.0	76.48
	24	84.0	83.0	82.6	81.2	80.0	79.4	78.9	78.0	76.2	75.3	74.3	73.0	76.22
	25	85.3	83.6	83.3	82.6	81.8	80.6	79.5	79.0	78.2	76.6	75.5	75.9	76.97
	26	85.4	85.1	84.1	82.4	81.3	80.0	78.8	78.0	76.8	75.0	73.4	72.7	77.11
	27	86.6	85.1	84.9	83.6	82.0	80.6	78.9	77.6	76.3	74.5	74.2	72.6	76.74
	28	85.5	86.3	84.2	82.7	82.0	80.7	79.8	79.4	78.9	77.9	76.5	75.3	77.30
	29	88.8	85.0	83.9	82.5	81.8	80.5	80.0	79.7	78.8	77.7	76.9	76.9	79.16
	30	87.0	84.1	84.6	83.9	82.1	80.7	79.9	79.0	77.6	77.2	76.7	76.7	78.64
	31	87.0	86.0	85.1	84.2	82.3	80.6	79.8	78.4	77.7	76.3	75.0	73.9	78.43
Hourly Means.		85.56	85.03	84.39	83.36	82.19	80.89	79.72	78.55	77.72	76.81	76.02	75.20	78.09

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	903	914	919	909	909	909	900	843	775	692	621	550	—
	2	902	901	908	926	934	924	906	858	757	640	533	500	—
	3	888	888	903	920	910	901	874	822	730	677	665	611	—
	4	871	869	877	885	884	900	883	838	730	663	577	554	—
	5	881	897	896	904	922	905	914	891	786	647	592	562	—
	6	883	899	906	872	888	880	856	814	738	668	609	645	—
	7	947	947	947	956	956	956	965	930	883	809	736	663	—
	8	947	947	946	955	946	946	946	906	833	771	688	631	—
	9	889	943	913	930	939	938	921	865	839	777	699	671	—
	10	875	844	832	863	878	903	894	801	763	693	603	561	—
	11	815	822	830	853	861	837	827	776	549	664	666	521	—
	12	861	843	858	839	836	844	819	770	701	545	512	596	—
	13	877	902	892	909	917	916	908	852	700	609	591	572	—
	14	896	914	902	901	882	873	841	790	708	652	624	585	—
	15	825	839	829	869	893	910	902	832	757	698	659	657	—
	16	822	844	834	858	849	856	848	813	752	703	679	660	—
	17	874	905	913	929	946	937	911	880	778	678	634	630	—
	18	881	880	905	922	921	920	894	826	743	622	609	603	—
	19	865	880	862	885	883	891	873	803	687	577	486	493	—
	20	841	882	889	888	879	878	862	793	698	571	478	453	—
	21	868	884	883	891	890	881	849	790	687	636	578	564	—
	22	843	874	854	853	890	910	825	740	656	512	475	470	—
	23	828	843	825	830	840	830	810	665	678	535	487	448	—
	24	838	820	820	805	810	830	840	743	668	588	520	590	—
	25	822	819	820	840	840	850	825	736	599	554	506	466	—
	26	751	814	780	770	760	735	730	688	606	518	463	462	—
	27	805	803	810	800	790	800	770	702	663	547	483	450	—
	28	816	847	862	879	890	890	860	821	668	553	507	553	—
	29	879	896	878	860	851	843	835	746	679	555	529	481	—
	30	831	845	868	893	883	882	849	752	642	599	546	560	—
	31	856	896	868	848	847	847	840	815	712	605	539	508	—
Hourly Means.		861	873	872	879	881	881	864	803	715	631	577	557	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	616	580	574	594	649	753	792	819	864	879	895	902	782
	2	586	575	549	562	654	739	780	844	858	882	865	864	769
	3	639	614	582	605	621	675	691	722	770	805	827	848	758
	4	614	625	599	662	686	725	738	782	803	837	852	875	764
	5	592	536	588	639	704	755	803	832	878	869	861	884	781
	6	661	642	691	727	765	799	774	923	947	947	947	956	810
	7	893	925	813	784	879	878	933	915	930	930	922	938	893
	8	718	706	690	687	752	785	834	807	852	851	850	864	827
	9	673	672	669	679	709	761	789	840	855	863	877	907	816
	10	499	523	647	656	691	707	766	802	794	845	789	802	751
	11	496	499	647	615	572	654	747	752	758	795	833	931	722
	12	552	578	594	601	637	681	762	796	803	833	832	839	731
	13	541	601	576	579	624	718	757	805	818	833	841	888	759
	14	611	616	632	635	686	716	737	766	786	730	773	826	753
	15	614	653	668	685	700	710	764	784	792	807	836	818	771
	16	583	638	628	650	693	724	793	836	843	851	859	866	770
	17	592	605	695	700	691	723	730	771	793	792	851	881	785
	18	568	545	564	607	641	692	711	729	771	821	836	850	753
	19	528	494	523	556	593	649	706	765	794	854	837	851	722
	20	472	518	545	557	596	656	718	750	801	806	861	844	718
	21	565	583	611	652	681	697	743	748	782	765	771	774	741
	22	419	491	482	503	521	610	665	689	744	763	784	822	683
	23	417	454	468	473	503	557	645	710	716	772	809	840	666
	24	576	591	608	635	658	691	696	721	731	728	771	799	712
	25	494	550	523	513	546	619	648	696	715	732	775	768	677
	26	453	457	491	511	582	629	702	721	755	797	852	842	661
	27	466	516	479	549	585	632	680	712	761	804	803	816	676
	28	571	552	602	655	693	732	758	779	793	829	857	880	744
	29	464	594	634	661	679	731	751	720	754	789	810	794	726
	30	536	640	560	575	599	653	685	740	789	804	833	826	725
	31	520	497	546	553	574	625	677	722	750	776	822	836	712
Hourly Means.		565	583	596	615	650	699	741	774	800	819	836	853	747

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	C	C	NE	NE	NE	NE	NE	NE	SSE	ESE	E	ENE
	2	NNE	NNE	NNE	C	C	NNE	NNE	NNE	NNE	E	SE	E
	3	C	C	C	NE	NE	NE	E	S	W	NW	N	NE
	4	C	C	NE	NE	NE	NE	NE	E	SE	S	ENE	E
	5	NE	NE	NE	NE	NE	ENE	ENE	ENE	ENE	E	E	E
	6	ENE	ENE	ENE	C	ENE	ENE	ENE	SE	SE	ESE	ENE	NE
	7	SW	SW	SW	SW	SW	SW	SW	SW	SW	SSW	ESE	NE
	8	SSE	C	SSE	SSE	SSE	C	SSE	SSE	E	E	E	NE
	9	C	C	S	C	S	S	S	S	S	S	SE	NE
	10	E	SE	SE	SE	C	SE	SE	S	S	S	S	S
	11	N	N	N	N	N	N	N	E	S	SSW	SW	NNE
	12	N	N	N	N	N	N	N	N	N	ENE	ENE	NNW
	13	C	C	C	C	C	C	E	E	ESE	ESE	ESE	E
	14	NE	NE	NE	NE	NE	NE	S	S	SSW	S	S	S
	15	C	C	C	C	C	N	N	SSW	E	ESE	NW	N
	16	C	N	N	N	N	N	N	WNW	WNW	N	N	NW
	17	C	C	C	C	N	N	N	N	NW	WSW	SW	NNE
	18	C	NNE	NNE	C	C	NNE	NNE	NNE	NE	NE	NE	N
	19	NE	NE	NE	NE	NE	NE	NE	NE	E	E	ENE	ENE
	20	NE	NE	NE	NE	NE	NE	NE	S	SSW	SSW	SSE	E
	21	C	NE	C	NE	NE	NE	NE	S	SSW	SW	SE	NE
	22	N	N	N	N	NNE	NNE	NNE	NNE	NNE	S	SSE	SSE
	23	NE	NE	NE	NE	NE	NE	NE	NE	E	SE	S	SW
	24	N	N	N	N	NW	NW	NW	WSW	SSW	SW	NW	N
	25	NNE	NNE	NNE	NNE	NNE	NNE	NNE	ESE	S	S	SSW	N
	26	C	NE	NE	C	NE	NE	NE	NNE	S	S	ENE	NNE
	27	NE	NE	NE	E	SE	SE	SSE	W	ESE	E	ENE	ENE
	28	C	C	C	C	C	C	C	C	ESE	E	E	N
	29	C	C	NE	NE	NE	NE	NE	S	S	S	SW	W
	30	C	C	C	C	C	NE	NE	SE	S	S	SSE	NNE
	31	C	N	N	N	N	N	N	N	SSE	S	ENE	E

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12
AUGUST.	1	NNE	N	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
	2	NNE	NNE	N	NE	NE	NE	NE	C	C	C	NE	NE
	3	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	C	C	C
	4	NNE	NE	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NE	NE
	5	E	NNE	NNE	NNE	NE	NE	NE	NE	C	ENE	ENE	ENE
	6	NNE	NE	NNE	NE	NE	NE	SE	SSW	SW	SW	SW	SW
	7	NNE	N	N	N	NE	NE	SE	SSE	SSE	SSE	SSE	SSE
	8	N	NNE	NNE	NNE	NE	NNE	NNE	S	S	S	S	S
	9	N	NNE	N	N	NNE	NNE	NNE	NNE	C	NNE	NNE	NNE
	10	W	SSW	NNE	N	NNE	N	C	C	N	N	N	N
	11	N	NNW	NNW	NNE	N	N	N	N	N	C	N	N
	12	NE	N	N	NE	NE	NE	NE	NE	NE	NE	ENE	E
	13	ENE	NNE	N	NNE	NE	NE	NE	NE	NE	NE	NE	NE
	14	SW	NNE	NNE	N	N	N	N	N	N	N	C	C
	15	N	N	N	N	N	N	N	N	N	C	N	N
	16	N	NNE	N	N	N	NNW	NNW	C	NNW	N	N	N
	17	NNE	N	N	N	NNE	NNE	NNE	C	C	NNE	C	C
	18	N	N	N	N	NNE	N	NE	NE	NE	C	C	NE
	19	N	N	N	NNE	NE	NE	NE	C	C	NE	NE	NE
	20	N	N	NNW	NNE	NE	NE	C	C	C	C	C	C
	21	NE	NNE	N	N	N	N	N	N	N	N	N	N
	22	NW	NNE	NNE	NNE	NE	NE	NE	NE	NE	NE	NE	NE
	23	WSW	N	N	N	NNE	N	N	N	N	C	C	N
	24	N	N	N	N	N	N	NNE	NNE	NNE	NNE	NNE	NNE
	25	NNE	NNE	NNE	NNE	NE	NE	NE	NE	NE	C	C	NE
	26	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	C	C	NE	NE
	27	NNE	NNE	NNE	NE	NE	NE	NE	NE	C	C	C	C
	28	N	N	NNE	NNE	NE	NE	NE	NE	C	C	C	C
	29	NNE	NNE	NNE	NNE	NNE	NNE	NE	NE	NE	C	C	C
	30	NNW	N	NNE	NNE	N	N	N	N	C	C	C	C
	31	N	NNE	NE	NE	ENE	NE	NE	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	0.0	0.0	1.6	0.8	1.6	0.8	1.6	3.2	2.4	5.6	6.4	7.2	—
	2	0.8	0.8	1.6	0.0	0.0	0.8	1.6	3.2	3.2	7.2	7.2	7.2	—
	3	0.0	0.0	0.0	0.8	1.6	3.2	4.8	1.6	1.6	3.2	7.2	12.1	—
	4	0.0	0.0	0.8	1.6	0.8	0.8	1.6	3.2	3.2	4.0	5.6	4.8	—
	5	1.6	0.8	1.6	1.6	1.6	1.6	1.6	1.6	5.6	10.5	13.7	12.1	—
	6	1.6	0.8	0.8	0.0	0.8	1.6	2.4	4.8	8.0	6.4	8.9	11.3	—
	7	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	4.8	6.4	8.0	—
	8	0.8	0.0	0.8	1.6	0.8	0.0	0.8	5.6	8.0	8.0	8.9	8.0	—
	9	0.0	0.0	0.8	0.0	0.8	0.8	1.6	3.2	2.4	3.2	4.8	4.8	—
	10	1.6	3.2	1.6	0.8	0.0	0.8	3.2	3.2	4.0	4.8	4.8	4.8	—
	11	0.8	0.8	2.4	3.2	1.6	0.8	1.6	1.6	3.2	3.2	1.6	6.4	—
	12	0.8	1.6	1.6	0.8	1.6	3.2	3.2	4.0	2.4	4.8	4.8	11.3	—
	13	0.0	0.0	0.0	0 0	0.0	0.0	0.8	3.2	10.5	15.3	12.9	12.9	—
	14	0.8	0.8	3.2	2.4	3.2	3.2	6.4	4.8	6.4	4.0	4.0	4.0	—
	15	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	4.8	3.2	4.0	7.2	—
	16	0.0	1.6	1.6	0.8	0.8	2.4	4.0	2.4	1.6	3.2	2.4	6.4	—
	17	0.0	0.0	0.0	0.0	1.6	0.8	1.6	3.2	3.2	3.2	4.0	5.6	—
	18	0.0	0.8	0.8	0.0	0.0	0 8	1.6	1.6	4.0	4.0	4.8	8.0	—
	19	0.8	1.6	1.6	1.6	0.8	0.8	1.6	1.6	5.6	7.2	8.0	8.9	—
	20	0.8	0.8	0.8	1.6	0.8	3.2	4.0	3.2	8.0	6.4	8.0	8.0	—
	21	0.0	0.8	0.0	0.8	3.2	4.0	4.8	4.8	7.2	4.0	4.0	4.8	—
	22	0.8	0.8	0.8	0.8	2.4	0.8	1.6	4.0	6.4	8.0	4.0	4.0	—
	23	1.6	1.6	0.8	0.8	0.8	3.2	3.2	3.2	4.0	4.8	4.0	4.0	—
	24	1.6	2 4	3.2	4.8	3.2	0.8	1.6	8.0	6.4	4.8	6.4	9.7	—
	25	2.4	1.6	1.6	1.6	3.2	1.6	3.2	6.4	7.2	6.4	5.6	5 6	—
	26	0.0	0.8	1.6	0.0	3 2	4.8	4.8	6.4	4.0	4.0	4.0	8.9	—
	27	2.4	1.6	4.0	3.2	3.2	2.4	2.4	4.0	4.0	6.4	8.0	4.8	—
	28	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	12.9	13.7	13.7	—
	29	0.0	0 0	1.6	3.2	2.4	4.8	4.0	7.2	8 9	7.2	4.8	4.0	—
	30	0.0	0.0	0.0	0.0	0.0	2.4	4.8	7.2	8.9	5.6	5.6	7.2	—
	31	0.0	0.8	1.6	2.4	1.6	1.6	3.2	3.2	6.4	8.9	7.2	6.4	—
Hourly Means.		0.65	0.80	1.21	1.16	1.37	1.75	2.66	3.77	5.12	5.97	6.31	7.49	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	15.3	12.1	12.9	12.1	8.0	4.8	1.6	0.8	0.8	0.8	0.8	0.8	4.25
	2	12.9	12.9	14.5	13.7	8 9	4.8	0.8	0.0	0.0	0.0	0.8	0.8	4.32
	3	12.9	12.9	14.5	11.3	6.4	1.6	1.6	1.6	0.8	0.0	0.0	0.0	4.15
	4	14.5	15.3	11.3	9.7	6.4	3.2	1.6	0.8	0.8	3.2	3.2	3.2	4.15
	5	11.3	12.9	12.9	14.5	12.9	9.7	4.8	1.6	0.0	0.8	0.8	1.6	5.74
	6	14.5	16.1	20.1	17.7	12.1	4.8	7.2	4.8	0.8	3.2	1.6	1.6	6.33
	7	6.4	2.4	7.2	8.9	1.6	1.6	3.2	1.6	1.6	0.8	1.6	0.8	2.77
	8	9.7	12.1	14.5	10.5	12.1	5.6	3.2	2.4	1.6	1.6	2.4	1.6	5.03
	9	10.5	13.7	12.9	14.5	10.5	6.4	1.6	0.8	0.0	0.8	0.8	2.4	4.05
	10	8.0	15.3	13.7	10.5	3.2	0.8	0.0	0.0	0.8	2.4	1.6	1.6	3.78
	11	8.0	12.1	12.9	11.3	8.0	0.8	0.8	0.8	0.8	0.0	0.8	0.8	3.51
	12	10.5	12.9	16 1	14 5	10.5	4.8	1.6	0.8	0.8	0.8	3.2	1.6	4.93
	13	9.7	10.5	12.1	13.7	10.5	6.4	3.2	0.8	0.8	1.6	1.6	0.8	5.30
	14	4.0	10.5	11.3	9.7	6.4	4.0	0.8	0.8	1.6	0.8	0.0	0.0	3.88
	15	10.5	9.7	9.7	12.9	9.7	3.2	0.8	0.8	0.8	0.0	1.6	1.6	3.79
	16	10.5	11.3	11.3	8.9	5.6	2.4	0.8	0.0	0.8	1.6	2.4	0.8	3.48
	17	9.7	12.9	12.1	12.1	9.7	3.2	0.8	0.0	0.0	0.8	0.0	0.0	3.52
	18	11.3	11.3	12.9	13.7	8.0	5.6	6.4	4.8	1.6	0.0	0.0	0.8	4.28
	19	14.5	12.9	15.3	18.5	13.7	8.9	3.2	0.0	0.0	0.8	1.6	1.6	5.46
	20	13.7	14.5	13.7	13.7	10.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	4.75
	21	8.0	12.1	12.1	11.3	9.7	3.2	1.6	0.8	0.8	0.8	1.6	0.8	4.22
	22	5.6	12.1	16.1	14.5	12.9	6.4	1.6	0.8	0.8	0.8	0.8	0.8	4.48
	23	4.8	8.9	10.5	8.9	8.9	3.2	0.8	1.6	0.8	0.0	0.0	1.6	3.42
	24	12.1	13.7	12.9	10.5	8.0	6.4	6.4	1.6	1.6	2.4	1.6	1.6	5.49
	25	16.1	17.7	16.1	12.9	9.7	5.6	4.0	1.6	0.8	0.0	0.0	1.6	5.52
	26	11.3	14.5	14.5	15.3	10.5	4.0	2.4	1.6	0.0	0.0	0.8	3.2	5.03
	27	12.1	16.9	17.7	15.3	13.7	5.6	2.4	0.8	0.0	0.0	0.0	0.0	5.45
	28	14.5	15.3	15.3	17.7	12.1	4.8	4.8	0.8	0.0	0.0	0.0	0.0	5.47
	29	9.7	18.5	17.7	13.7	10.5	7.2	5.6	3.2	0.8	0.0	0.0	0.0	5.63
	30	13.7	15.3	15.3	11.3	8.9	3.2	2.4	0.8	0.0	0.0	0.0	0.0	4.69
	31	13.7	17.7	19.3	16.1	11.3	5.6	2.4	0.0	0.0	0.0	0.0	0.0	5.39
Hourly Means.		10.97	13.13	13.85	12.90	9.38	4.52	2.53	1.19	0.65	0.77	0.95	1.03	4.59

CLOUDS.

CLEAR = O. — OVERCAST = IO.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	2	4	1	1	4	7	9	9	9	2	5	3	—
	2	1	1	1	1	1	2	3	0	0	1	0	1	—
	3	2	2	1	1	1	2	1	0	0	1	2	4	—
	4	2	1	6	3	2	5	3	0	0	0	1	4	—
	5	2	2	1	9	9	10	9	10	4	3	5	4	—
	6	4	2	1	2	2	9	3	8	7	8	8	6	—
	7	7	6	6	6	10	10	10	7	7	7	8	9	—
	8	5	3	3	1	2	2	2	1	1	5	6	7	—
	9	3	2	4	4	3	5	6	2	2	6	7	6	—
	10	3	3	4	2	2	6	6	3	2	2	3	4	—
	11	3	5	8	7	7	7	2	8	2	4	8	2	—
	12	3	2	4	4	1	4	2	2	1	1	1	2	—
	13	2	2	1	1	0	1	0	0	0	0	6	7	—
	14	1	0	0	1	2	2	1	0	0	2	4	4	—
	15	10	3	2	4	2	8	4	2	5	6	5	7	—
	16	4	2	1	1	2	1	3	2	2	3	6	5	—
	17	7	5	4	2	2	4	1	1	2	2	3	7	—
	18	9	10	9	7	2	2	1	1	1	1	8	5	—
	19	5	10	6	3	1	8	3	1	0	1	0	2	—
	20	4	4	3	3	2	3	4	6	4	2	1	1	—
	21	1	1	1	2	1	1	2	1	0	1	2	6	—
	22	2	4	1	2	1	1	3	7	7	1	1	3	—
	23	4	2	3	3	2	2	1	1	1	0	1	1	—
	24	2	0	0	0	1	3	2	0	0	1	3	5	—
	25	4	5	4	2	3	5	4	2	1	0	2	4	—
	26	7	2	2	1	6	1	2	0	1	1	5	2	—
	27	4	4	2	1	1	2	3	2	2	1	2	2	—
	28	1	0	0	0	2	2	1	0	1	1	1	2	—
	29	2	6	8	7	7	8	5	0	0	0	1	3	—
	30	7	2	2	2	3	5	5	3	2	2	5	3	—
	31	10	3	6	2	1	3	2	0	1	2	3	4	—
Hourly Means.		4.0	3.2	3.1	2.7	2.7	4.2	3.3	2.5	2.1	2.2	3.6	4.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	3	3	4	4	4	5	2	2	1	2	1	2	3.7
	2	1	0	0	1	1	5	3	2	2	1	8	4	1.7
	3	2	1	1	1	2	2	7	10	5	6	3	2	2.5
	4	2	4	4	6	7	10	9	9	10	8	7	4	4.5
	5	6	3	2	2	2	1	5	10	7	5	5	9	5.2
	6	6	6	5	3	4	10	10	10	10	10	9	9	6.3
	7	10	10	8	10	10	10	8	3	2	2	5	2	7.2
	8	2	1	1	1	2	2	10	4	9	8	8	4	3.8
	9	5	1	1	1	1	4	8	7	7	8	5	9	4.5
	10	3	3	2	1	1	2	3	10	10	10	7	6	4.1
	11	2	2	3	3	3	4	9	4	8	9	10	4	5.2
	12	2	1	1	0	1	5	3	5	8	6	5	3	2.8
	13	8	7	1	2	2	1	4	3	5	10	1	1	2.7
	14	9	5	9	6	4	6	10	10	10	8	9	10	4.7
	15	2	2	1	1	1	2	7	10	10	10	10	6	5.0
	16	7	9	8	8	9	7	9	4	8	10	10	9	5.4
	17	2	5	6	5	8	10	10	9	10	10	7	10	5.5
	18	2	1	1	0	1	7	9	5	4	10	9	8	4.7
	19	6	5	2	7	6	7	6	9	7	6	3	4	4.5
	20	1	1	1	0	0	2	1	1	1	1	1	1	2.0
	21	3	4	4	5	5	7	5	8	8	6	8	2	3.5
	22	2	1	2	4	5	5	4	5	4	6	6	5	3.4
	23	1	3	1	1	1	2	2	2	1	1	3	1	1.7
	24	2	1	1	1	2	4	4	4	5	2	0	2	1.9
	25	2	2	0	1	3	10	10	10	10	6	9	10	4.5
	26	4	3	2	3	3	4	6	4	2	2	2	2	2.8
	27	1	1	1	1	2	5	3	4	2	1	1	0	2.0
	28	2	2	2	2	3	7	8	10	9	4	3	3	2.8
	29	8	4	4	4	6	7	8	7	7	5	9	3	5.0
	30	4	1	0	0	0	1	10	10	5	6	10	6	3.9
	31	4	6	4	5	7	8	4	4	2	3	2	2	3.7
Hourly Means.		3.7	3.2	2.6	2.9	3.4	5.2	6.4	6.3	6.1	5.9	5.7	4.6	3.90

DURATION OF SUNSHINE.

AUGUST.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	0	1	1	2	8	8	6	6	8	9	10	10	10	9	10	10	6.8
2	10	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	9.9
3	10	10	10	10	10	10	10	10	10	10	8	9	10	10	10	10	9.8
4	10	10	10	10	10	9	10	9	8	4	9	9	10	10	7	6	8.8
5	0	9	9	8	10	9	8	7	6	7	7	10	10	10	10	9	8.1
6	7	2	2	2	1	2	2	3	3	8	7	7	6	10	9	9	5.0
7	1	2	3	2	4	4	4	7	3	1	0	0	2	3	5	5	2.9
8	10	10	10	6	6	6	7	7	6	9	10	10	10	10	10	10	8.6
9	9	8	7	7	8	6	6	6	2	9	10	10	10	10	10	10	8.0
10	10	10	7	9	9	10	8	8	9	9	8	7	6	8	10	10	8.6
11	2	9	7	8	7	2	2	1	9	10	10	10	10	10	10	10	7.3
12	10	10	10	8	10	10	9	8	8	10	10	10	10	10	10	10	9.6
13	10	10	10	10	9	9	8	8	7	6	4	2	4	9	10	10	7.9
14	10	10	10	10	10	9	8	10	6	2	4	6	6	9	8	10	8.0
15	10	10	4	8	6	1	8	10	10	10	10	10	10	10	10	10	8.6
16	6	8	7	4	7	4	1	1	7	9	9	9	9	9	9	9	6.8
17	10	10	10	9	9	9	10	9	5	6	10	6	7	0	2	6	7.4
18	10	10	10	10	10	8	6	8	9	10	10	10	10	10	10	10	9.4
19	10	10	10	10	10	10	10	10	8	6	10	10	10	10	7	4	9.1
20	10	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	9.9
21	10	10	10	10	10	9	9	8	4	7	8	9	10	10	10	9	8.9
22	0	1	1	6	10	10	10	10	9	8	7	9	10	10	10	10	7.6
23	10	10	10	10	10	10	10	8	10	10	10	8	10	10	10	9	9.7
24	10	10	10	10	10	10	8	6	8	9	10	10	10	9	9	6	9.1
25	10	9	10	10	10	10	10	10	9	9	9	9	10	10	10	10	9.7
26	10	10	10	10	9	10	6	2	8	8	8	9	10	10	10	10	8.8
27	8	9	9	9	10	10	10	10	9	10	10	10	10	10	10	10	9.6
28	10	10	10	10	10	9	9	9	10	10	10	10	9	9	8	5	9.3
29	10	10	10	10	10	10	10	10	10	6	4	6	9	9	9	9	8.9
30	10	10	10	10	10	9	4	6	10	7	8	9	10	10	10	10	8.9
31	10	10	10	10	9	10	10	6	7	7	9	10	10	10	10	9	9.2
Hourly Means.	8.2	8.6	8.3	8.3	8.8	8.2	7.7	7.5	7.6	7.9	8.4	8.5	9.0	9.2	9.1	8.9	8.39

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

AUGUST.

Mean Batavia Time.	7^{h}30 A. M.	8	8^{h}30	9	9^{h}30	10	10^{h}30	11	11^{h}30	12	0^{h}30 P. M.	1	1^{h}30	2	2^{h}30	3	3^{h}30	4	4^{h}30
1	24.4	27.5	30.5	33.4	34.4	46.5	47.0	45.4	47.0	51.2	50.4	49.6	49.4	47.4	47.3	46.2	44.6	42.0	36.1
2	24.4	37.8	39.9	43.8	45.4	47.9	48.3	49.2	50.9	50.8	51.3	50.5	49.6	48.9	48.5	46.5	45.4	42.4	35.9
3	26.5	37.4	41.4	44.4	46.0	48.4	48.9	50.4	49.9	50.4	50.0	47.6	48.9	49.1	48.2	45.9	45.5	42.3	36.4
4	26.5	38.4	40.4	43.9	45.5	47.4	48.6	50.1	50.4	48.9	44.9	50.4	48.9	47.4	48.3	46.9	46.4	36.9	32.3
5	25.9	28.2	35.8	44.4	44.0	47.7	48.6	50.3	48.7	49.4	40.4	51.4	49.9	49.6	47.4	48.9	43.1	48.4	38.0
6	27.9	41.2	37.3	38.1	33.9	39.0	46.4	43.4	49.4	43.7	46.9	49.6	49.4	49.9	46.0	47.6	44.4	42.4	35.6
7	24.4	30.9	31.4	40.8	37.1	39.8	38.9	39.6	43.4	42.8	30.9	—	—	33.2	38.6	36.4	43.4	33.6	31.7
8	26.0	37.5	40.2	44.5	46.9	45.4	38.4	47.8	49.9	41.4	50.9	49.6	49.9	49.0	47.9	45.9	44.9	41.9	33.4
9	28.1	37.6	41.3	44.2	45.4	48.0	51.1	45.0	44.4	40.4	43.0	50.9	47.4	48.9	46.1	46.8	44.4	43.9	39.4
10	27.0	37.3	40.3	42.3	45.4	48.0	48.9	50.9	51.4	49.3	51.9	53.4	51.4	40.9	50.4	46.6	45.6	43.0	34.1
11	28.4	33.4	39.4	45.7	44.2	45.6	39.9	36.4	35.6	49.2	51.2	51.2	50.8	49.9	48.3	46.8	45.1	42.7	33.4
12	27.4	39.1	41.2	44.6	44.3	48.3	49.4	50.9	49.6	50.4	48.9	50.2	50.4	48.8	48.4	45.6	43.9	41.3	32.4
13	25.7	36.4	39.5	44.4	44.6	45.4	47.1	46.9	50.4	48.4	46.5	42.4	41.2	41.3	44.9	45.4	43.9	41.8	33.9
14	37.2	38.4	40.6	43.6	44.0	46.6	48.4	50.9	49.4	52.3	43.4	41.8	47.4	49.4	46.4	40.4	47.9	41.9	33.1
15	28.6	38.3	40.9	42.4	40.1	38.2	42.8	52.4	39.0	48.4	50.6	50.4	50.2	48.9	48.4	46.9	45.4	43.2	33.5
16	30.0	35.7	39.7	40.2	38.4	44.4	48.2	38.1	40.4	47.2	52.6	51.4	49.7	49.9	47.9	48.4	46.5	42.9	31.6
17	29.4	38.9	40.6	43.5	46.2	44.9	49.4	51.3	52.4	41.1	48.8	52.9	48.2	45.8	38.9	36.0	35.5	40.5	34.8
18	40.9	39.9	42.4	45.4	46.8	50.3	50.9	45.4	47.8	52.4	52.9	52.3	51.4	49.9	48.4	45.9	44.9	41.3	34.4
19	29.4	36.4	39.0	43.4	44.2	46.9	48.9	50.4	50.8	49.4	52.2	50.0	49.4	50.4	48.3	47.4	44.4	36.4	33.3
20	29.9	37.8	40.9	44.3	45.9	48.1	49.3	50.3	51.5	51.9	51.1	51.6	49.6	49.5	48.3	46.9	45.1	42.2	34.4
21	30.1	37.4	39.7	43.8	44.6	48.0	48.6	50.9	50.2	51.4	42.1	51.5	50.0	49.4	47.3	45.2	43.6	41.7	35.3
22	23.2	27.8	30.4	35.2	40.4	46.1	47.7	48.9	49.9	51.3	50.4	52.9	46.3	48.5	47.2	44.9	42.0	38.0	34.9
23	30.4	36.8	40.4	43.4	45.8	47.3	47.6	50.5	52.4	49.8	50.9	51.9	49.9	49.3	49.4	46.4	45.6	42.9	39.9
24	30.5	38.1	40.7	44.6	46.2	48.4	49.8	52.6	50.1	51.4	50.3	49.4	49.0	47.9	49.5	44.9	46.0	39.9	36.1
25	32.9	39.3	40.8	43.3	45.2	47.4	49.2	50.4	51.1	52.4	53.0	50.1	48.7	47.5	46.4	44.6	44.0	40.9	37.4
26	32.1	39.2	41.5	44.6	46.6	48.1	49.4	47.0	42.4	52.8	48.8	51.2	49.6	49.0	47.6	46.2	44.1	41.4	37.8
27	30.1	36.9	38.2	42.4	45.4	48.5	48.9	50.9	50.9	51.4	51.6	50.4	48.6	48.1	47.5	45.5	43.9	41.4	38.9
28	30.4	37.4	40.9	44.4	45.6	47.4	48.9	49.9	50.4	50.4	50.4	50.3	49.9	48.9	47.9	42.6	43.9	38.6	36.6
29	31.4	36.9	39.4	43.9	45.4	48.4	49.6	51.4	51.8	51.9	52.9	48.4	47.8	47.3	47.3	44.9	44.4	41.3	36.4
30	31.1	37.3	40.0	44.0	45.8	48.7	49.8	43.2	42.9	51.8	52.4	52.1	49.3	48.2	47.2	45.9	44.2	41.9	38.5
31	32.3	38.9	41.6	44.7	45.7	47.0	49.1	53.1	51.4	45.4	52.6	52.0	48.7	49.1	47.6	46.0	44.0	40.0	37.6
Means.	29.11	36.58	39.24	42.95	43.85	46.52	47.68	48.19	48.25	49.00	48.85	50.24	49.03	47.78	47.15	45.31	44.39	41.26	35.39

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	55	46	52	44	41	35	52	44	30	6	11	25	—
	2	69	61	63	52	52	55	52	61	11	— 6	17	25	—
	3	46	41	44	44	44	46	55	35	25	17	19	30	—
	4	63	55	52	44	46	38	63	46	— 11	— 8	17	14	—
	5	25	35	44	19	30	28	35	41	38	25	19	28	—
	6	28	33	35	44	46	46	44	28	22	11	17	14	—
	7	8	17	17	19	14	14	8	22	14	6	8	14	—
	8	33	28	38	41	35	52	63	55	38	6	3	19	—
	9	41	41	58	46	46	38	49	35	17	— 6	6	17	—
	10	28	28	28	30	25	49	41	25	22	11	8	19	—
	11	41	38	33	30	28	28	46	46	41	22	11	22	—
	12	58	63	61	63	58	55	61	55	8	22	25	8	—
	13	49	63	72	66	46	55	96	55	— 14	— 17	0	17	—
	14	63	49	49	35	35	38	30	25	0	0	0	11	—
	15	52	49	49	46	44	49	52	35	25	19	6	14	—
	16	41	44	41	44	41	33	44	— 6	— 11	19	19	11	—
	17	49	44	61	41	49	35	61	63	— 11	0	3	0	—
	18	66	61	61	49	58	46	66	49	25	14	6	19	—
	19	46	38	41	44	49	41	35	30	8	6	14	22	—
	20	69	66	66	55	52	46	44	38	— 3	6	19	14	—
	21	66	58	49	44	46	30	35	— 6	— 8	— 19	— 8	— 11	—
	22	61	52	61	49	41	17	46	17	19	— 3	19	14	—
	23	69	46	44	41	41	38	30	22	8	11	17	6	—
	24	63	49	49	44	49	69	83	17	28	11	0	— 14	—
	25	41	30	30	33	35	35	55	11	17	14	0	6	—
	26	35	44	38	38	41	28	38	— 3	17	— 14	— 6	— 28	—
	27	49	38	33	44	25	38	41	25	11	14	14	22	—
	28	52	55	49	17	14	8	55	35	8	6	8	— 28	—
	29	46	38	41	33	30	17	11	— 14	— 19	3	0	8	—
	30	58	41	44	33	28	28	17	— 8	— 17	— 17	— 33	— 22	—
	31	49	49	41	44	44	44	30	—	—	—	—	—	—
	Hourly Means.	49.0	45.2	46.6	41.2	39.8	38.0	46.4	29.3	11.3	5.3	8.0	9.9	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	14	19	14	28	11	41	58	61	63	85	69	61	40.2
	2	17	30	14	17	30	28	44	49	49	55	74	49	40.3
	3	28	11	11	19	22	22	52	38	83	72	55	61	38.3
	4	— 8	6	8	0	14	6	28	22	44	8	19	17	24.3
	5	17	14	22	17	17	25	38	30	35	28	38	38	28.6
	6	— 22	6	0	11	22	— 69	83	P N	P N	8	25	11	20.1
	7	P N	P N	P N	N	P N	44	74	33	38	30	14	30	22.3
	8	28	28	22	35	41	44	49	35	19	22	38	30	33.4
	9	25	28	25	25	30	35	44	52	55	49	52	55	36.0
	10	22	19	25	25	33	35	44	46	44	66	35	35	31.0
	11	19	17	14	8	14	28	38	107	77	52	88	61	37.9
	12	22	19	11	11	22	33	46	38	35	69	66	55	40.2
	13	11	8	0	17	17	30	44	46	55	58	69	63	37.8
	14	14	17	11	8	11	28	55	44	38	38	49	49	29.0
	15	6	14	19	25	30	44	41	72	52	41	72	38	37.3
	16	25	28	22	22	30	28	63	96	83	49	44	28	34.9
	17	— 3	6	11	6	28	33	46	49	41	52	58	72	33.1
	18	22	30	28	14	30	28	35	22	30	35	41	46	36.7
	19	— 6	11	— 17	— 33	0	— 28	28	55	74	116	132	66	32.2
	20	11	19	11	14	17	22	49	101	90	99	101	80	45.3
	21	— 6	— 19	3	— 3	0	14	28	33	46	44	46	41	21.0
	22	0	— 25	— 17	— 11	0	11	19	58	61	63	69	63	28.5
	23	11	— 14	6	3	22	— 38	25	74	90	107	116	93	36.2
	24	— 6	— 3	— 11	8	19	19	33	41	49	61	61	55	32.3
	25	— 49	— 33	— 17	— 19	— 11	6	19	28	33	46	41	55	16.9
	26	— 3	— 6	— 6	11	14	6	33	44	22	44	52	49	20.3
	27	— 28	— 33	— 28	— 22	3	17	17	35	44	74	63	69	23.5
	28	11	— 19	— 33	— 35	0	8	28	22	33	58	63	58	19.7
	29	— 11	— 55	— 33	— 14	6	11	17	14	22	44	46	46	12.0
	30	— 25	— 30	— 14	3	3	11	35	30	49	63	83	72	18.0
	31	—	—	—	—	—	—	—	—	—	—	—	—	43.0
	Hourly Means.	4.7	3.2	3.5	6.6	16.4	17.4	40.4	47.4	50.1	54.5	59.3	51.5	30.21

BAROMETRIC PRESSURE.

BAROMETER AT 0°C. = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	9.64	9.33	9.26	9.29	9.47	10.08	10.48	10.92	11.17	10.77	10.03	9.33	—
	2	10.09	10.06	10.16	10 18	10.33	10.72	11.38	11.76	11.92	11.60	10.78	9.84	—
	3	10 16	9.94	9.94	9.81	10.12	10.78	11.53	11.77	11.88	11.83	10.95	10.07	—
	4	10.46	9.90	9.80	9.67	9.78	10.42	10.88	11.43	11.57	11.47	10.79	10 01	—
	5	9.98	9.77	9.47	9.25	9 28	9.62	9.97	10.38	10.60	10.45	10.10	9.24	—
	6	9.41	9.08	8.95	9.02	9.46	10.02	10.50	10.93	11.16	10.76	10.20	9.54	—
	7	10.26	10.01	10.07	10.11	10.51	10.87	11.39	11.79	11.71	11.65	11.03	10.28	—
	8	11.03	11.00	10.78	10.87	11.13	11.62	11.92	12.24	12.25	11.96	11.40	10.46	—
	9	10.23	10.01	9.68	9.96	10.19	10.45	10.84	11.23	11.71	11.50	10.89	10.20	—
	10	10.35	10.08	9.81	9.68	10.01	10.68	10.98	11.23	11.43	11 05	10.51	9.74	—
	11	10.75	10.61	10.42	10.48	10.73	11.14	11.76	12.06	12.22	11.78	11.16	10.19	—
	12	10.60	10.45	10.23	10.32	10.47	11.01	11.51	11.90	12.12	11.68	11.18	10.40	—
	13	11.23	11.19	10.91	11.03	11.51	12.08	12.77	12.83	12.86	12.52	11.88	11.09	—
	14	11.08	10.77	10.64	10.62	10.93	11.52	12.29	12.73	12.82	12.63	11.79	10.75	—
	15	10.51	10.27	10.38	10.26	10.71	11.21	11.91	11.88	11.78	11.06	10.17	9.39	—
	16	9.80	9.61	9.38	9.34	9.58	9.82	10.48	10.42	10.34	9.94	9.46	8.86	—
	17	9.11	8.55	8.62	8.66	8.93	9.12	9.38	9.87	9.89	9.85	9.14	8.60	—
	18	9.05	8.63	8.55	8.53	9.18	9.62	10.36	10.42	10.68	10.48	9.77	8.77	—
	19	8.98	8.60	8.43	8.53	8.83	9.18	9.68	9.96	10.16	9.93	9.50	8 91	—
	20	10.32	10.16	10.00	10.12	10.68	11.02	11.47	11.78	11.56	11.09	10.40	9 74	—
	21	11.15	10.56	10.50	10.56	10.28	10.34	10.88	11.19	10.92	10.77	9.98	9.40	—
	22	10.62	10.62	10.47	10.44	10.46	10.69	11.19	11.42	11.36	11.32	11.11	10.25	—
	23	10.97	10.48	9.97	9.93	10.15	10.78	11.54	11.85	11.71	11.41	10.79	9.92	—
	24	10.73	10.46	10.24	10.31	10.62	11.28	11.97	12.24	12.32	11.98	11.50	10.72	—
	25	11.61	11.38	10.93	10.98	11.06	11.31	11.54	11.78	11.84	11.39	10.70	9.76	—
	26	10.33	9.90	9.56	9.52	9.76	10.06	10.47	11.11	11.26	11.06	10.41	9.64	—
	27	10.33	10.03	9.85	10.10	9.97	10.43	10.92	11.41	11.71	11.34	10.73	10.10	—
	28	10.46	10.21	10.10	9.95	10.24	10.56	10.96	11.40	11.49	11.35	10.59	9.78	—
	29	9.90	9.42	9.20	9 11	9.30	9.82	10.31	10.74	10.96	10.60	10.01	9 34	—
	30	9.86	9.52	9.27	9.32	9.75	10.05	10.08	10.62	10.87	10.57	10.08	9.30	—
Hourly Means.		10.30	10.02	9.85	9.87	10 11	10.54	11.04	11.38	11.48	11.19	10.57	9.79	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	8.36	7.65	7.48	7.63	8.10	8.58	9.14	9.61	10.32	10.44	10.73	10.35	9.51
	2	9.09	8.25	7.79	7.79	8.24	8.56	9.07	9.84	10.33	10.67	10.82	10 40	9.99
	3	9.36	8.64	8.52	8.72	8.84	9.13	9.63	10.20	10.64	10.97	11.13	11.11	10 24
	4	9 24	8 53	8.11	8.25	8.29	8.74	9 30	9 91	10.43	10 44	10.75	10.43	9.94
	5	8 58	8.01	7.63	7.70	8.20	8.59	8.86	9.49	9.91	10.20	10.37	9.96	9.40
	6	8.63	8.06	7.81	7.85	8.04	8.46	8.99	9.58	10.05	10.46	10.82	10.68	9.52
	7	9.54	9.05	8.89	8.95	9.36	9.76	10.01	10.43	10.70	11.31	11.59	11.23	10.44
	8	9.93	9.41	9.08	9.23	9.80	10.16	10.41	10.98	11.15	11.43	11.26	10.77	10.84
	9	9.88	9.05	8.70	8.73	8.93	9.30	9.83	10.42	10.68	10.75	10.86	10.86	10.20
	10	9.14	8.62	8.30	8.55	8.84	9.69	10.16	10.67	11.15	11.41	11.68	11 26	10.21
	11	9.61	8.91	8.48	8.37	8.74	9.22	9 99	10.71	11.31	11.48	11.60	11.21	10.54
	12	9.87	9.33	8.85	8.99	9.41	10.00	10.46	11.23	11.58	11.84	11.63	11.56	10.69
	13	10.18	9.61	9.03	8.88	9.17	9.44	10.05	10.95	11.50	11.85	11.78	11.66	11.08
	14	9.72	9.29	8.78	8.58	8.96	9.38	10.13	10.94	11.20	11.58	11.51	11.26	10.83
	15	8.81	8.21	7.62	7.37	7.63	7.96	8.53	9.15	9.97	10.16	10.18	9.96	9.80
	16	7.79	7.05	6.54	6.37	6.42	6.95	8.11	8.84	9.51	9.85	10.08	9.70	8.93
	17	7.83	7.19	6.85	6.98	7.47	7.78	8.28	8.80	9.46	9.75	9.63	9.22	8.71
	18	8.30	7.74	7.20	6.95	7.43	7.85	8.29	8.91	9.33	9.55	9.73	9.81	8.96
	19	8.52	8.00	7.74	7.73	8.20	9.04	9.41	9.98	10.38	10.79	11.13	10.75	9.27
	20	9.28	8.61	8.46	8.52	8.84	9.54	10.12	10.80	11.38	11.66	11.59	11.45	10.36
	21	8.54	7.79	7.49	7.66	8.03	8.41	9.19	9.94	10.64	11.17	11.37	11.04	9.91
	22	9.79	9.02	8.74	8.94	9.17	9.49	10 34	10.80	11.13	11.37	11.43	11.37	10.48
	23	9.09	8.51	7.96	8.09	8.53	9.19	10.14	10.83	11.54	11.80	11.71	11.41	10.35
	24	10.15	9.56	9.07	9.22	9.49	10.00	10.75	11.54	11.76	12.18	12.33	12 02	10.94
	25	9.37	8.80	8.45	8.49	8.93	9.19	9.60	10.54	10.96	10.90	11.04	10.81	10.47
	26	8.80	8.15	7.57	7.54	8.01	8.65	9.46	10.19	10.91	11.24	11.26	10.84	9.82
	27	9.50	8.88	8.43	8.21	8.69	9.40	10.06	10.67	11.06	11.44	11.31	10.81	10.22
	28	9.04	8.49	8.15	8.27	8.76	9 20	9.88	10.61	11.23	11.46	11.19	10.75	10.17
	29	8.69	8.09	7.68	7.68	8.27	9.00	9.56	10.18	10.74	11.03	10.96	10 37	9.62
	30	8.83	8.23	7.93	7.84	8.71	9.50	10.18	10.56	11.00	11.12	11.30	11.03	9.81
Hourly Means.		9.12	8.49	8.11	8.14	8.52	9.01	9.60	10.24	10.73	11.01	11.09	10.80	10.04

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	73.0	72.6	72.0	71.2	70.6	70.0	70.4	74.0	78.4	82.7	86.0	87.0	—
	2	74.1	72.3	71.4	71.2	70.6	70.3	70.9	75.7	80.4	84.0	87.0	89.2	—
	3	74.2	73.8	73.1	73.0	72.9	72.7	73.0	76.2	80.4	83.6	86.4	88.0	—
	4	77.7	76.5	75.3	74.3	73.3	72.7	73.1	75.5	80.9	84.2	86.5	87.7	—
	5	76.6	75.8	75.2	74.0	73.8	73.1	74.1	77.6	81.3	83.7	86.4	88.0	—
	6	77.6	77.1	76.9	76.3	75.3	75.1	75.4	76.4	79.7	82.0	83.7	86.7	—
	7	76.1	75.0	74.2	73.3	72.9	72.2	73.0	76.6	80.1	82.0	84.0	85.5	—
	8	76.3	75.3	74.9	74.5	73.6	73.1	73.6	76.4	80.0	82.7	84.5	87.1	—
	9	73.7	73.1	72.5	71.5	70.7	70.3	71.0	74.7	79.0	83.0	85.8	87.5	—
	10	75.1	74.3	73.9	73.2	72.4	72.0	73.0	76.3	79.0	82.4	84.4	86.6	—
	11	75.2	74.8	74.4	73.5	73.0	72.6	73.6	77.0	80.6	83.0	84.0	86.7	—
	12	76.7	75.3	74.5	73.8	73.1	72.9	73.8	77.2	80.8	83.7	85.6	87.0	—
	13	76.4	76.1	75.6	75.0	74.7	74.0	74.5	77.2	81.1	83.6	86.0	87.2	—
	14	76.2	75.3	74.8	73.4	73.0	72.6	73.5	77.3	81.4	84.1	86.2	88.0	—
	15	75.5	74.9	73.9	72.2	71.8	71.4	72.2	75.0	79.3	83.3	86.6	88.1	—
	16	76.9	75.0	74.6	72.0	69.9	69.5	70.4	75.0	79.5	83.0	86.1	88.0	—
	17	74.2	72.8	71.6	71.0	69.8	69.6	70.5	72.2	77.0	82.0	86.0	86.0	—
	18	75.1	73.4	72.7	72.6	72.1	71.6	73.1	77.2	81.1	83.5	84.5	87.5	—
	19	76.7	75.0	73.9	73.3	72.0	71.4	72.7	77.6	82.0	85.3	87.4	86.2	—
	20	77.6	76.0	75.2	74.2	73.4	72.4	74.1	78.4	81.5	86.1	88.2	86.5	—
	21	76.5	75.1	74.9	74.0	73.6	73.0	73.3	77.4	82.3	86.2	89.3	88.0	—
	22	74.4	74.2	73.0	72.2	72.2	71.7	72.7	76.7	81.0	83.7	83.9	87.0	—
	23	73.7	73.5	72.6	72.4	71.5	70.8	71.9	74.7	81.8	85.2	88.2	90.0	—
	24	77.7	77.1	76.5	76.3	75.5	75.0	77.4	81.4	84.4	87.3	90.1	91.6	—
	25	74.7	73.9	73.1	72.5	71.9	71.1	72.5	77.0	81.3	85.1	86.9	88.4	—
	26	77.9	77.4	77.0	76.7	75.8	75.0	76.1	79.0	82.0	85.0	85.4	87.8	—
	27	77.1	75.8	74.4	74.0	74.0	74.5	75.0	76.5	79.1	82.0	86.0	86.6	—
	28	75.3	74.8	74.0	73.6	73.2	72.8	74.2	78.3	82.1	84.7	87.0	88.8	—
	29	78.0	77.1	76.6	76.2	76.0	75.6	76.9	79.0	83.0	86.0	86.3	86.0	—
	30	76.6	76.0	75.0	74.4	74.6	74.8	75.5	76.7	79.0	83.6	85.8	87.4	—
Hourly Means.		75.89	74.98	74.26	73.53	72.91	72.46	73.38	76.67	80.65	83.89	86.14	87.54	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	89.0	88.6	86.3	85.3	84.3	81.9	80.3	78.6	77.0	76.1	75.1	74.7	78.55
	2	86.8	86.7	86.9	86.5	85.0	83.0	80.7	78.5	77.3	76.1	75.5	74.6	78.95
	3	87.2	88.4	86.0	85.0	83.8	82.0	81.3	80.1	79.3	79.1	79.1	78.8	79.89
	4	86.7	86.7	86.5	85.1	83.7	82.2	82.0	81.3	80.4	79.5	78.6	77.6	80.33
	5	87.1	86.9	86.1	84.5	83.1	82.0	81.3	81.3	80.0	79.2	79.0	78.2	80.35
	6	86.0	85.4	84.6	84.7	83.6	82.3	81.8	81.7	81.5	80.6	78.8	77.3	80.44
	7	85.5	85.1	84.6	83.8	82.7	81.8	81.2	80.7	80.2	79.6	77.7	77.1	79.37
	8	86.8	86.0	84.5	83.1	82.5	81.6	79.0	78.6	77.9	76.9	75.9	74.8	79.15
	9	86.3	86.0	84.8	83.8	82.8	81.6	80.7	79.2	78.6	77.9	77.0	76.0	78.65
	10	85.7	86.0	84.6	83.2	82.0	81.5	81.1	80.8	80.2	79.8	78.2	76.7	79.27
	11	86.6	86.1	85.3	84.1	82.7	81.3	81.0	80.3	80.2	79.0	78.8	77.7	79.65
	12	85.1	84.8	84.4	83.2	82.6	81.8	81.5	81.3	80.3	77.8	77.1	76.8	79.63
	13	87.8	86.1	85.2	84.5	83.0	82.0	81.1	80.5	79.0	78.4	77.5	77.0	80.15
	14	87.3	85.6	85.1	83.7	82.7	81.7	80.5	79.5	78.7	77.7	77.1	76.5	79.66
	15	87.6	86.2	85.3	86.1	85.6	83.4	81.2	79.4	78.2	77.6	76.9	76.9	79.53
	16	88.6	90.2	87.3	86.7	87.3	84.6	82.3	80.1	78.1	77.5	76.4	75.2	79.76
	17	85.7	85.4	83.9	82.5	81.7	81.0	80.6	80.6	80.2	78.9	78.0	76.7	78.25
	18	86.0	85.2	84.1	83.0	82.0	80.9	80.6	80.2	80.0	78.6	78.4	78.0	79.23
	19	86.0	86.8	86.0	84.8	83.2	82.0	81.0	80.6	80.1	79.5	79.0	78.5	80.04
	20	87.6	87.6	86.5	84.4	83.0	82.5	82.0	81.4	80.8	80.0	79.0	77.3	80.65
	21	89.2	90.6	91.2	89.7	87.3	84.8	82.8	80.8	79.0	78.0	76.6	75.7	81.22
	22	86.0	86.1	85.5	84.2	83.4	82.5	80.6	78.7	77.3	76.1	75.2	74.4	78.86
	23	91.0	91.0	89.5	86.7	85.3	83.0	81.4	80.1	79.4	78.6	78.4	78.6	80.38
	24	92.6	92.2	91.9	90.5	88.5	85.7	82.7	80.5	79.1	78.1	76.5	76.1	82.70
	25	88.2	89.0	88.0	86.0	84.2	82.1	81.4	81.6	81.1	80.1	78.9	78.9	80.33
	26	88.6	87.1	86.7	85.9	85.0	83.5	82.4	82.0	81.6	80.7	79.6	78.7	81.54
	27	87.7	86.9	86.0	85.2	84.1	83.0	83.0	82.0	79.9	78.2	76.8	76.2	80.17
	28	87.2	87.5	87.1	84.7	83.6	82.1	81.8	81.0	80.1	80.0	79.6	79.1	80.53
	29	84.0	84.0	84.8	84.3	83.0	81.1	79.6	79.0	78.4	77.5	77.2	77.1	80.28
	30	85.8	86.0	84.0	83.6	82.7	81.8	80.2	79.2	78.4	77.7	77.3	76.6	79.70
Hourly Means.		87.19	87.01	86.09	84.96	83.81	82.36	81.23	80.32	79.41	78.49	77.64	76.93	79.91

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	835	851	866	873	872	880	872	812	710	577	486	459	—
	2	828	858	874	865	890	889	882	768	627	540	474	419	—
	3	820	836	851	843	859	867	868	802	681	607	546	508	—
	4	835	865	880	845	868	867	868	815	663	561	512	536	—
	5	810	832	839	861	853	868	829	767	692	647	613	579	—
	6	867	875	874	882	889	888	880	833	781	700	673	609	—
	7	873	888	904	911	910	910	902	826	715	667	648	603	—
	8	785	814	821	820	835	851	860	801	736	670	605	574	—
	9	877	877	885	891	899	889	873	766	655	555	486	494	—
	10	863	878	877	894	893	884	860	802	749	618	600	578	—
	11	823	830	838	844	860	859	819	757	662	586	642	547	—
	12	802	814	813	828	835	826	787	712	654	576	604	573	—
	13	731	745	751	757	757	787	780	719	663	575	567	532	—
	14	825	791	773	776	784	783	761	683	624	547	509	490	—
	15	864	871	844	849	840	839	824	759	656	562	479	477	—
	16	666	710	724	841	862	861	837	720	622	523	516	431	—
	17	684	709	730	720	760	760	750	732	646	555	464	499	—
	18	749	768	726	702	715	720	711	646	656	600	598	535	—
	19	833	830	836	835	857	865	817	766	612	534	488	575	—
	20	805	856	871	878	869	875	812	739	658	533	494	596	—
	21	802	822	822	828	844	860	827	705	582	493	423	542	—
	22	795	787	799	781	773	788	751	740	648	613	621	557	—
	23	853	869	885	875	891	908	883	797	686	583	522	471	—
	24	844	851	865	849	872	879	835	748	649	538	503	451	—
	25	797	819	835	816	823	847	817	757	657	559	561	550	—
	26	860	875	875	866	872	863	825	741	627	558	554	524	—
	27	787	792	812	819	811	796	805	771	781	620	533	547	—
	28	814	821	853	844	843	842	812	709	600	544	491	474	—
	29	744	757	763	777	776	768	763	725	624	573	612	598	—
	30	771	753	773	780	821	871	856	803	733	627	592	552	—
Hourly Means.		808	821	829	832	841	846	826	757	668	581	547	529	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	432	478	528	540	534	650	693	753	786	792	805	813	704
	2	547	541	536	523	552	610	694	744	764	808	791	804	701
	3	592	561	579	631	613	659	712	730	779	778	785	807	721
	4	559	553	570	613	665	700	714	755	759	786	783	796	724
	5	604	549	617	642	650	693	740	755	781	816	815	845	737
	6	624	615	643	625	639	694	713	735	741	753	799	834	757
	7	566	576	611	639	661	686	712	746	781	772	736	749	750
	8	578	568	616	663	621	650	837	868	875	899	881	871	754
	9	528	544	556	607	669	705	723	771	791	820	826	841	730
	10	598	573	599	651	686	719	725	753	774	787	814	802	749
	11	565	562	594	615	641	712	725	730	736	784	792	805	722
	12	608	600	598	578	602	611	656	677	715	774	778	755	699
	13	508	563	576	624	676	700	761	788	831	829	835	850	704
	14	567	590	632	645	682	713	752	772	807	828	818	833	708
	15	564	568	546	544	482	518	543	586	643	683	695	680	663
	16	495	382	527	530	426	447	516	556	600	669	686	681	618
	17	604	647	693	737	756	761	767	745	752	800	820	826	705
	18	556	565	590	616	626	668	681	673	758	799	791	813	678
	19	593	530	544	574	631	666	756	716	730	764	778	799	705
	20	564	546	576	668	690	715	672	691	716	751	763	805	714
	21	543	477	471	557	673	549	525	605	667	685	723	743	657
	22	592	593	584	616	664	647	701	746	788	816	831	845	712
	23	495	550	594	638	589	636	725	773	801	821	821	821	729
	24	402	508	572	587	544	499	557	687	725	767	777	808	680
	25	554	558	548	630	682	730	784	771	791	811	847	847	725
	26	511	573	560	556	508	555	627	658	684	731	741	761	688
	27	552	567	580	614	634	663	670	750	802	775	794	793	711
	28	533	557	567	650	713	708	735	761	781	787	734	733	704
	29	665	706	657	634	675	739	764	778	761	750	757	764	714
	30	610	647	673	645	661	693	730	763	776	805	764	770	727
Hourly Means.		557	561	585	613	628	657	697	728	757	781	786	796	710

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	C	C	C	C	C	NE	ENE	E	E	ESE	ENE	E
	2	C	C	C	C	NE	NE	NE	SSW	SSW	SE	ESE	E
	3	C	NE	NE	NE	NE	NE	NE	S	SSW	SW	SSE	ESE
	4	C	C	NE	NE	NE	C	NE	NNE	NNE	SE	ENE	NNE
	5	C	C	NNE	NNE	NNE	NNE	NNE	NNE	ENE	SSE	E	NE
	6	C	C	C	C	C	N	N	N	N	NW	NW	WNW
	7	C	C	C	C	N	N	N	N	NNE	NE	N	NNE
	8	C	C	C	C	C	C	N	E	S	SSE	ENE	NNE
	9	C	C	C	C	C	C	NNE	NNE	S	SSE	E	NNE
	10	C	N	N	N	N	N	N	N	N	E	W	NNE
	11	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNW	N	NNW
	12	C	NNE	NNE	NNE	NNE	NNE	NNE	NNE	SSE	SSE	NNE	NNE
	13	NNE	NNE	C	NNE	NNE	NNE	NNE	NNE	NNE	NW	NNW	N
	14	NNW	NNW	NNW	NNW	NNW	NNW	NNW	W	SSW	SW	WSW	W
	15	ESE	ESE	C	ESE	ESE	ESE	ESE	SSE	SSW	S	SW	W
	16	SW	SW	SW	SW	SW	SW	SW	SW	SW	WSW	WNW	WSW
	17	C	C	C	C	C	C	W	W	W	WSW	SSW	NNE
	18	N	N	N	N	N	N	N	N	N	NE	N	N
	19	N	N	C	C	N	N	N	N	ESE	E	ENE	N
	20	C	C	C	C	C	NE	NE	ENE	ESE	ENE	ESE	N
	21	C	NE	NE	C	C	C	NE	ENE	SE	E	E	N
	22	C	C	C	E	C	C	C	E	NE	N	N	NNE
	23	NNE	NE	NE	NE	C	C	NE	NE	E	ENE	ENE	E
	24	C	C	ENE	ENE	ENE	ENE	ENE	E	SE	ESE	E	ESE
	25	C	C	C	C	C	C	C	ENE	ENE	NE	N	NNE
	26	C	C	C	NE	NE	NE	NE	NE	NE	E	N	N
	27	C	C	NE	NE	NE	NE	NE	NE	NE	NE	NE	N
	28	NW	C	C	NW	NW	NW	NW	SW	SW	WSW	WSW	SW
	29	WSW	WSW	WSW	C	C	WSW	WSW	WSW	ESE	S	NE	NNE
	30	SW	SW	SW	SW	C	SW	SW	SW	SW	SW	NE	NNE

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12
SEPTEMBER.	1	ENE	ENE	NE	NE	NE	NE	NE	NE	C	C	NE	NE
	2	NNE	N	NNE	NE	NE	NE	C	C	C	C	NE	C
	3	N	N	N	NNE	NNE	NE	NE	C	C	C	C	C
	4	NNE	NNE	NE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
	5	NNE	NNE	NE	NNE	N	N	N	C	C	C	C	C
	6	NNW	N	N	NNE	NNE	N	N	N	N	N	C	N
	7	NNE	N	NNE	N	N	N	N	N	N	N	N	N
	8	NNE	N	NE	NNE	NNE	N	NNE	NNE	NNE	NNE	NNE	NNE
	9	N	N	NE	NNE	NNE	N	N	C	C	C	C	C
	10	N	NNE	NNE	NNE	N	NNE	NNE	NNE	C	C	NNE	NNE
	11	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	C	NNE	NNE
	12	N	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE	NNE
	13	N	N	N	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW
	14	N	N	N	N	NNE	NNE	NNE	ENE	ENE	E	ESE	ESE
	15	NNW	NNW	N	NNW	WNW	W	W	W	W	SW	SW	SW
	16	N	WNW	NNE	N	WNW	W	W	W	W	W	C	C
	17	NNE	NE	NNE	NNE	N	N	N	N	N	N	N	N
	18	NNE	N	NNW	N	N	N	N	C	C	C	C	C
	19	N	NE	NE	NE	NE	NE	NE	NE	NE	C	C	C
	20	N	NE	NE	NNE	NE	NE	NE	C	C	C	NE	C
	21	N	N	NE	ENE	ENE	E	E	E	C	C	C	C
	22	NNW	N	N	NNE	NNE	NNE	C	C	C	C	C	C
	23	ENE	ENE	NE	NE	ENE	ENE	ENE	ENE	C	C	ENE	ENE
	24	ENE	E	E	E	E	ENE	ENE	ENE	C	C	C	C
	25	N	NNE	NE	NNE	NNE	NE	NE	NE	C	C	C	C
	26	N	NNE	N	NNE	NE	NE	NE	C	C	C	C	C
	27	N	NE	NNE	N	N	N	N	C	N	N	N	NW
	28	N	N	N	N	N	N	N	C	N	N	N	NW
	29	NE	NE	N	NNE	N	N	N	N	SW	SW	SW	SW
	30	NNE	N	N	N	NNW	NNW	NNW	NNW	WSW	WSW	WSW	WSW

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	0.0	0.0	0.0	0.0	0.0	0.8	3.2	2.4	3.2	10.5	12.9	12.1	—
	2	0.0	0.0	0.0	0.0	0.8	2.4	3.2	5.6	4.8	8.9	12.9	13.7	—
	3	0.0	0.8	2.4	1.6	1.6	0.8	0.8	4.0	6.4	4.8	5.6	4.8	—
	4	0.0	0.0	0.8	0.8	0.3	0.0	0.8	1.6	4.0	3.2	6.4	9.7	—
	5	0.0	0.0	0.8	3.2	0.8	0.8	1.6	0.8	3.2	3.2	4.8	5.6	—
	6	0.0	0.0	0.0	0.0	0.0	0.8	1.6	2.4	2.4	3.2	3.2	5.6	—
	7	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	3.2	3.2	6.4	8.0	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.0	5.6	5.6	4.8	7.2	—
	9	0.0	0.0	0.0	0.0	0.0	0.0	2.4	6.4	6.4	10.5	5.6	12.1	—
	10	0.0	0.8	0.8	0.8	0.8	1.6	3.2	3.2	3.2	6.4	6.4	12.9	—
	11	0.8	0.8	0.8	0.8	1.6	0.8	4.8	4.8	3.2	4.0	4.8	12.1	—
	12	0.0	0.8	2.4	1.6	1.6	0.8	5.6	4.8	2.4	4.0	7.2	11.3	—
	13	1.6	0.8	0.0	1.6	0.8	1.6	3.2	4.0	3.2	4.8	6.4	9.7	—
	14	2.4	3.2	3.2	1.6	0.8	0.8	3.2	7.2	8.0	7.2	7.2	8.0	—
	15	1.6	0.8	0.0	2.4	1.6	2.4	2.4	5.6	5.6	8.9	8.0	7.2	—
	16	6.4	3.2	3.2	2.4	0.8	0.8	1.6	6.4	4.0	6.4	8.0	9.7	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	1.6	4.0	8.0	15.3	—
	18	3.2	2.4	3.2	4.8	2.4	3.2	4.8	3.2	3.2	3.2	4.0	10.5	—
	19	2.4	1.6	0.0	0.0	0.8	1.6	1.6	6.4	11.3	14.5	12.9	12.9	—
	20	0.0	0.0	0.0	0.0	0.0	2.4	1.6	6.4	10.5	12.9	11.3	15.3	—
	21	0.0	0.8	0.8	0.0	0.0	0.0	2.4	3.2	8.0	11.3	11.3	12.9	—
	22	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.8	4.0	8.9	8.0	11.3	—
	23	0.8	3.2	2.4	0.8	0.0	0.0	0.8	2.4	16.1	16.1	17.7	16.9	—
	24	0.0	0.0	0.8	1.6	2.4	2.4	6.4	12.9	17.7	21.7	20.9	27.3	—
	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	2.4	4.8	10.5	11.3	—
	26	0.0	0.0	0.0	0.8	1.6	2.4	1.6	3.2	3.2	4.8	7.2	11.3	—
	27	0.0	0.0	0.8	1.6	4.0	1.6	1.6	3.2	2.4	4.0	7.2	12.9	—
	28	1.6	0.0	0.0	1.6	0.8	1.6	3.2	5.6	6.4	5.6	6.4	5.6	—
	29	4.0	4.8	3.2	0.0	0.0	2.4	1.6	4.0	4.0	5.6	8.0	15·3	—
	30	4.8	2.4	0.8	0.8	0.0	2.4	0.8	4.8	2.4	4.8	7.2	12.9	—
Hourly Means.		0.99	0.88	0.88	1.01	0.83	1.20	2.27	4.24	5.40	7.23	8.37	11.38	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	8.9	15.3	20.9	16.1	14.5	6.4	4.8	0.8	0.0	0.0	0.8	0.8	5.60
	2	18.5	12.1	16.9	16.1	12.9	4.8	0.0	0.0	0.0	0.0	0.8	0.0	5.60
	3	8.9	13.7	15.3	12.1	10.5	4.8	1.6	0.0	0.0	0.0	0.0	0.0	4.19
	4	17.7	17.7	15.3	12.9	8.0	3.2	0.8	0.8	2.4	2.4	0.8	0.8	4.62
	5	15.3	20.9	19.3	15.3	9.7	7.2	1.6	0.0	0.0	0.0	0.0	0.0	4.75
	6	12.9	15.3	13.7	12.1	8.9	4.0	2.4	0.8	0.8	1.6	0.0	0.8	3.85
	7	14.5	16.9	14.5	13.7	8.0	3.2	0.8	0.8	0.8	1.6	2.4	1.6	4.45
	8	12.9	14.5	18.5	16.1	9.7	6.4	1.6	0.8	0.8	1.6	1.6	1.6	4.79
	9	16.1	17.7	18.5	16.1	9.7	3.2	0.8	0.0	0.0	0.0	0.0	0.0	5.23
	10	15.3	15.3	16.9	17.7	12.1	5.6	3.2	1.6	0.0	0.0	2.4	1.6	5.49
	11	13.7	18.5	16.1	16.1	10.5	6.4	4.8	3.2	0.8	0.0	0.8	1.6	5.49
	12	15.3	16.9	14.5	9.7	7.2	3.2	1.6	1.6	1.6	1.6	3.2	3.2	5.09
	13	14.5	13.7	13.7	11.3	9.7	5.6	3.2	0.8	0.8	0.8	3.2	1.6	4.86
	14	10.5	12.9	12.9	13.7	11.3	6.4	4.0	4.8	6.4	4.8	4.0	2.4	6.12
	15	13.7	14.5	12.9	8.9	6.4	4.0	4.8	1.6	4.0	7.2	6.4	6.4	5.72
	16	9.7	12.9	16.1	11.3	8.0	6.4	4.8	1.6	1.6	0.8	0.0	0.0	5.25
	17	17.7	18.5	16.9	12.1	9.7	4.8	1.6	2.4	2.4	0.8	1.6	1.6	5.09
	18	11.3	15.3	14.5	14.5	11.3	6.4	1.6	0.0	0.0	0.0	0.0	0.0	5.13
	19	17.7	17.7	16.1	16.9	12.1	8.0	4.8	3.2	0.8	0.0	0.0	0.0	6.80
	20	18.5	20.9	16.9	13.7	12.9	7.2	0.8	0.0	0.0	0.0	0.8	0.0	6.34
	21	13.7	16.1	22.5	21.7	17.7	9.7	4.8	1.6	0.0	0.0	0.0	0.0	6.60
	22	14.5	16.1	18.5	17.7	11.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.86
	23	19.3	22.5	25.7	22.5	20.1	13.7	4.8	1.6	0.0	0.0	1.6	2.4	8.81
	24	22.5	27.3	23.3	25.7	20.9	16.1	8.9	1.6	0.0	0.0	0.0	0.0	10.85
	25	16.1	20.9	20.9	14.5	13.7	8.9	1.6	0.8	0.0	0.0	0.0	0.0	5.37
	26	16.1	19.3	16.1	13.7	8.0	4.8	2.4	0.0	0.0	0.0	0.0	0.0	4.85
	27	14.5	17.7	12.9	12.9	8.9	2.4	0.8	0.0	1.6	1.6	4.0	3.2	4.99
	28	9.7	12.9	12.9	13.7	11.3	6.4	1.6	0.0	0.8	1.6	4.8	4.8	4.95
	29	14.5	12.1	12.9	13.7	6.4	2.4	3.2	3.2	8.0	7.2	7.2	4.0	6.15
	30	15.3	15.3	14.5	11.3	4.0	3.2	2.4	4.8	3.2	3.2	3.2	3.2	5.32
Hourly Means.		14.66	16.71	16.69	14.79	10.85	5.96	2.67	1.28	1.23	1.23	1.65	1.39	5.57

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	5	6	5	5	6	5	3	1	1	2	3	4	—
	2	2	1	1	0	0	2	5	5	1	1	3	1	—
	3	0	2	1	1	4	8	10	7	3	2	4	6	—
	4	3	2	2	1	2	5	7	5	3	3	4	4	—
	5	3	1	2	3	2	3	2	1	2	1	2	3	—
	6	10	10	6	6	10	7	9	9	3	8	6	7	—
	7	2	1	0	0	1	1	1	0	0	6	6	6	—
	8	4	2	7	4	2	6	9	4	3	8	5	4	—
	9	2	2	1	1	3	4	4	2	2	2	4	6	—
	10	2	4	2	1	2	1	1	0	2	4	5	2	—
	11	4	3	3	2	2	1	2	1	0	4	3	3	—
	12	3	3	1	1	2	3	0	0	1	1	5	4	—
	13	7	7	6	6	5	6	9	1	0	4	4	4	—
	14	2	8	3	2	5	2	3	3	4	2	6	3	—
	15	1	3	2	2	2	9	1	0	1	1	1	4	—
	16	8	5	6	4	5	1	1	1	1	1	1	2	—
	17	1	0	0	0	1	3	1	1	3	1	6	6	—
	18	5	2	3	4	4	7	2	1	3	5	6	6	—
	19	1	1	2	2	1	3	3	2	2	3	5	8	—
	20	1	2	2	1	1	2	2	2	1	1	4	3	—
	21	6	6	5	5	4	2	2	1	2	2	3	7	—
	22	4	6	9	10	7	5	1	0	5	6	7	4	—
	23	6	5	4	4	6	8	7	1	4	4	5	3	—
	24	3	2	2	3	4	4	7	5	6	5	4	4	—
	25	2	1	1	1	1	3	3	1	1	0	1	1	—
	26	5	6	6	7	7	4	2	0	0	7	8	3	—
	27	2	0	1	5	10	10	7	8	9	7	6	5	—
	28	2	1	1	2	2	7	4	3	2	4	4	6	—
	29	3	2	3	5	8	8	9	7	8	6	7	9	—
	30	6	4	4	4	9	9	9	9	9	5	6	3	—
Hourly Means.		3.5	3.3	3.0	3.1	3.9	4.6	4.2	2.7	2.7	3.5	4.5	4.4	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	4	2	6	6	2	5	6	4	2	2	3	2	3.8
	2	1	1	1	1	1	3	2	2	2	1	1	1	1.6
	3	7	7	2	1	1	9	7	2	7	6	7	7	4.6
	4	3	1	0	1	2	10	10	10	10	10	10	6	4.8
	5	4	3	3	2	8	10	4	10	9	4	8	5	4.0
	6	2	1	1	1	5	10	10	10	10	3	2	1	6.1
	7	2	1	1	1	1	7	6	10	9	6	7	8	3.5
	8	6	4	2	1	1	6	9	9	9	6	6	3	5.0
	9	2	1	1	0	0	4	6	6	10	6	6	5	3.3
	10	3	2	2	2	6	10	10	10	10	8	10	4	4.3
	11	1	1	0	1	1	8	6	7	9	9	10	4	3.5
	12	2	1	2	3	3	10	9	9	8	4	8	8	3.8
	13	4	1	0	0	0	4	3	1	2	1	3	10	3.7
	14	8	5	3	3	4	3	2	4	5	4	6	4	3.9
	15	3	3	5	8	8	9	1	0	0	0	2	10	3.2
	16	2	4	1	0	1	4	9	3	2	3	5	3	3.0
	17	1	1	2	7	7	8	9	7	8	6	5	5	3.7
	18	1	1	0	1	1	3	9	6	9	8	8	9	4.3
	19	6	2	1	1	1	8	9	9	9	9	10	9	4.5
	20	2	2	1	2	7	9	10	9	10	10	9	2	4.0
	21	5	3	2	3	7	7	5	4	4	6	7	4	4.3
	22	3	4	3	3	3	3	4	3	2	2	4	4	4.3
	23	6	4	1	1	1	4	3	4	2	1	4	9	4.0
	24	2	2	1	1	2	3	1	1	1	1	4	2	2.9
	25	2	1	1	0	0	1	3	9	4	3	7	4	2.1
	26	2	1	3	7	7	8	8	10	9	8	5	3	5.3
	27	1	2	3	7	8	9	8	3	2	2	2	1	4.9
	28	6	4	6	3	6	7	3	6	9	8	7	7	4.6
	29	10	10	4	4	7	5	10	10	10	6	7	10	7.0
	30	8	5	7	8	10	10	10	10	10	10	8	6	7.5
Hourly Means.		3.6	2.7	2.2	2.6	3.7	6.6	6.4	6.3	6.4	5.1	6.0	5.2	4.18

DURATION OF SUNSHINE.

SEPTEMBER.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	10	10	10	10	10	10	9	9	8	9	8	5	9	7	1	2	7.9
2	10	10	10	10	10	10	9	8	8	10	10	10	10	7	4	4	8.8
3	10	10	10	8	10	10	8	7	5	4	7	10	7	10	10	10	8.5
4	6	9	9	10	6	9	9	10	10	8	10	10	10	10	10	10	9.1
5	10	10	9	7	9	10	8	8	10	3	10	10	10	10	10	10	9.0
6	0	1	8	7	1	4	6	3	7	3	9	10	10	10	10	10	6.2
7	10	10	9	10	4	6	4	8	7	6	9	9	10	10	10	9	8.2
8	8	9	9	8	8	9	4	7	4	7	8	10	10	10	9	9	8.1
9	10	10	10	10	10	10	9	4	5	8	10	10	10	10	10	10	9.1
10	10	10	7	7	6	4	7	8	8	10	10	10	10	10	10	10	8.6
11	10	10	10	10	6	6	6	9	10	10	10	10	10	10	10	10	9.2
12	10	10	9	9	9	7	7	9	10	10	10	10	10	10	9	7	9.1
13	10	10	10	7	10	7	8	6	4	10	10	10	10	10	10	10	8.9
14	10	8	10	10	10	9	6	8	9	6	2	0	10	10	10	10	8.0
15	10	10	10	10	10	10	10	10	9	8	8	5	8	7	1	0	7.9
16	10	10	10	10	10	10	10	10	10	9	6	4	9	9	10	10	9.2
17	7	10	9	9	10	10	8	9	10	10	10	10	10	10	10	9	9.4
18	10	10	10	8	6	9	2	4	7	7	8	10	10	10	10	10	8.2
19	10	10	10	9	9	9	10	4	4	6	6	10	10	10	10	10	8.6
20	7	9	10	10	9	10	9	7	9	10	10	10	10	10	10	10	9.4
21	10	10	10	10	10	10	10	7	6	7	8	10	10	7	4	3	8.3
22	7	8	10	9	5	7	6	8	8	10	8	6	9	8	9	7	7.8
23	9	9	9	7	9	8	7	8	9	7	8	9	9	9	10	10	8.6
24	10	10	8	9	9	9	8	10	9	9	9	9	9	9	9	9	9.1
25	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0
26	10	10	10	10	6	4	4	10	10	10	9	9	10	10	10	8	8.8
27	0	0	0	0	4	7	10	10	10	10	9	9	10	10	8	4	6.3
28	10	10	10	10	9	9	9	4	7	6	8	10	10	7	6	9	8.4
29	4	9	10	9	8	2	7	4	1	0	0	0	2	4	8	8	4.8
30	1	0	0	2	8	4	0	4	7	6	8	1	1	1	0	0	2.7
Means.	8.3	8.7	8.9	8.5	8.0	8.0	7.3	7.4	7.7	7.6	8.3	8.2	9.1	8.8	8.3	7.9	8.21

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

SEPTEMBER.

Mean Batavia Time.	7^h30 A. M.	8	8^h30	9	9^h30	10	10^h30	11	11^h30	12	0^h30 P. M.	1	1^h30	2	2^h30	3	3^h30	4	4^h30
1	30.4	37.7	40.4	44.4	45.9	48.2	49.4	51.4	50.4	48.9	50.3	53.9	49.2	47.5	48.2	40.9	38.7	38.9	39.6
2	26.2	41.3	42.9	45.5	46.9	49.3	50.4	50.8	51.4	52.4	50.4	49.9	49.9	48.9	48.5	44.8	42.6	40.4	38.6
3	28.4	38.1	42.8	46.0	42.9	49.4	50.4	51.8	49.1	46.6	49.4	47.4	49.3	43.7	45.6	45.6	43.9	40.6	38.8
4	26.2	35.3	40.2	44.5	46.4	49.8	44.9	54.0	53.4	53.5	52.4	49.6	50.1	48.9	48.2	46.9	44.4	42.0	38.5
5	36.4	40.8	43.0	46.5	47.4	49.5	50.4	52.5	50.4	53.4	50.6	51.0	50.4	48.8	47.9	46.0	44.5	42.2	39.1
6	26.4	29.8	31.3	44.5	48.1	39.2	44.5	43.9	47.9	53.4	44.9	50.0	50.8	49.6	48.3	45.9	44.3	42.0	39.5
7	33.1	39.8	41.9	47.8	50.4	41.9	51.9	47.9	48.3	46.8	51.2	49.9	49.6	47.4	46.9	44.8	43.4	40.2	38.0
8	29.6	36.9	39.9	45.4	44.7	42.9	49.4	46.8	48.2	48.9	50.6	47.4	50.9	46.9	48.3	46.4	46.4	41.4	36.4
9	33.5	40.3	41.7	45.3	46.9	48.4	49.9	52.9	49.2	53.4	47.9	50.4	50.2	49.1	47.5	45.9	44.9	42.4	38.6
10	34.8	40.7	42.9	39.4	48.4	48.8	43.7	43.2	53.9	51.3	51.9	50.6	49.8	50.2	47.7	46.1	43.9	41.4	36.8
11	35.0	41.5	43.4	46.7	48.2	46.4	50.9	38.9	50.4	52.9	52.0	50.9	51.6	48.9	48.2	46.6	45.4	42.0	38.2
12	35.4	40.6	43.4	45.8	47.4	48.3	47.9	51.8	48.4	53.4	51.9	49.6	49.0	48.1	48.1	46.4	45.6	36.4	32.3
13	29.4	40.5	44.4	48.2	48.6	49.7	52.9	49.4	47.5	48.5	47.4	47.5	47.3	48.5	48.4	48.4	46.4	41.4	32.4
14	31.8	42.7	44.0	46.8	48.4	50.3	51.8	45.2	49.0	51.6	52.4	40.4	37.4	44.0	48.9	47.8	45.4	42.9	33.7
15	36.0	42.9	44.2	48.5	50.6	49.7	53.8	53.1	55.0	51.4	55.8	46.9	48.4	48.0	46.3	41.8	36.1	35.7	33.1
16	37.6	42.9	44.4	47.6	49.4	51.4	51.9	53.4	53.4	53.3	56.0	48.4	54.1	53.1	50.9	48.0	47.1	44.1	38.4
17	27.2	31.9	41.4	43.4	42.4	49.4	51.4	51.4	51.9	51.9	51.5	50.9	49.9	49.1	47.4	45.4	44.9	37.4	33.4
18	36.9	41.9	43.9	47.0	49.0	49.9	44.6	49.0	38.9	50.4	43.8	48.5	47.4	47.4	46.4	46.3	45.4	39.0	35.4
19	36.7	43.1	44.6	46.5	48.2	49.9	51.4	54.1	50.6	42.4	43.2	45.0	49.6	49.5	47.9	46.4	45.0	41.0	36.4
20	36.9	36.1	43.4	46.1	48.4	50.4	49.7	52.4	50.2	48.0	51.9	51.6	50.6	50.3	48.9	47.3	45.3	41.3	35.4
21	36.1	42.2	44.4	45.4	49.4	50.4	52.1	53.9	56.4	44.2	52.2	48.1	53.7	51.9	51.4	46.4	45.4	41.9	37.6
22	35.4	37.4	39.4	47.3	50.3	45.4	43.9	43.4	44.4	48.9	49.3	50.2	45.9	47.9	47.4	44.4	40.9	40.9	37.9
23	30.9	38.4	42.4	45.4	45.3	46.9	47.9	51.1	50.8	52.0	52.1	51.4	49.6	51.8	49.5	50.3	40.5	40.4	36.0
24	39.3	43.6	44.9	43.3	48.4	47.3	50.0	52.8	49.6	49.9	51.0	52.4	51.9	50.0	49.6	48.2	46.0	43.1	36.0
25	35.6	42.0	44.4	48.4	49.2	51.4	51.9	52.2	52.7	52.4	51.9	51.2	50.9	49.8	48.4	46.9	44.9	41.0	32.8
26	37.4	41.8	43.5	46.5	48.4	47.2	39.4	39.9	48.9	52.4	52.4	51.1	49.9	47.8	47.4	46.1	44.4	40.5	37.4
27	36.4	30.3	37.9	34.9	39.4	44.4	40.5	46.4	46.4	49.4	51.9	51.3	50.4	49.3	49.9	44.7	48.5	35.4	32.6
28	34.9	40.4	41.5	45.4	47.1	48.1	47.9	51.8	50.9	53.0	51.0	45.8	50.4	47.4	47.8	46.3	46.3	39.4	32.4
29	40.0	34.3	41.6	50.0	52.4	52.2	50.0	46.1	49.8	40.1	37.4	34.4	35.4	37.0	39.4	41.4	42.4	40.0	35.4
30	28.1	29.7	32.0	37.4	42.4	50.9	54.4	48.7	52.0	55.6	49.4	43.4	48.0	48.9	44.2	42.4	39.0	38.1	32.2
Means.	33.40	38.83	41.87	45.33	47.36	48.23	48.97	49.34	49.98	50.34	50.14	48.64	49.05	48.32	47.78	45.83	44.06	40.45	36.10

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.8 METER

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	—	—	—	—	—	—	—	30	— 11	— 8	— 8	— 17	—
	2	46	52	66	38	52	46	49	— 17	— 11	3	8	— 3	—
	3	58	61	33	44	33	33	22	—	—	—	—	—	—
	4	—	—	—	—	—	—	—	11	14	17	8	0	—
	5	90	61	49	38	44	35	30	17	3	— 6	— 17	— 14	—
	6	61	63	52	38	41	17	14	22	— 25	—	—	— 6	—
	7	72	66	58	52	52	33	22	28	14	— 6	0	— 19	—
	8	28	33	33	25	28	33	19	— 8	6	3	3	— 22	—
	9	35	28	33	28	44	44	63	35	14	8	— 11	— 61	—
	10	83	77	46	38	41	35	35	28	0	3	0	— 8	—
	11	22	25	28	25	28	44	19	0	8	11	— 22	— 22	—
	12	35	35	30	33	30	28	19	— 8	3	— 8	— 22	— 19	—
	13	30	38	46	38	38	35	30	17	8	17	— 14	— 17	—
	14	35	35	33	38	46	58	14	22	14	17	11	8	—
	15	72	55	46	38	38	28	14	28	22	19	17	— 3	—
	16	28	28	35	41	46	63	30	11	33	17	11	14	—
	17	28	30	35	33	28	33	6	19	14	— 3	— 11	— 22	—
	18	25	28	25	25	25	28	17	25	11	— 11	— 17	— 49	—
	19	58	61	63	66	58	38	22	17	0	— 11	— 17	— 30	—
	20	55	55	38	30	28	22	0	11	17	— 14	6	— 33	—
	21	38	22	33	33	38	22	22	3	— 8	— 6	0	— 22	—
	22	83	55	49	33	25	6	— 14	— 55	8	— 17	— 3	— 11	—
	23	110	77	69	63	61	49	46	19	— 11	N	N	N	—
	24	35	22	17	14	44	44	49	11	— 8	— 33	— 30	N	—
	25	96	88	63	49	44	8	3	33	0	— 17	— 17	3	—
	26	49	52	30	30	28	22	14	11	— 11	— 8	— 14	— 22	—
	27	61	52	38	35	25	19	11	11	17	8	0	— 17	—
	28	44	44	41	38	30	33	— 6	14	8	8	8	8	—
	29	28	25	22	22	28	19	28	3	8	0	— 22	— 41	—
	30	30	30	25	52	28	— 3	25	28	11	— 11	— 28	— 11	—
Hourly Means.		51.3	46.4	40.6	37.0	37.5	31.1	21.5	12.6	5.1	— 1.0	— 6.7	— 16.1	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	3	— 77	N	N	— 25	14	25	49	74	83	99	61	19.5
	2	6	— 3	— 28	— 28	0	3	30	80	83	77	88	63	29.2
	3	—	—	—	—	—	—	—	—	—	—	—	—	40.6
	4	0	— 22	— 19	— 28	22	19	38	44	61	74	80	96	24.4
	5	— 33	— 14	— 30	— 11	0	14	17	28	46	55	96	52	22.9
	6	—	— 33	3	— 11	0	— 3	17	17	19	30	41	55	19.6
	7	— 28	— 30	— 41	— 33	8	0	33	35	28	30	19	28	17.5
	8	— 6	— 19	— 33	— 11	— 3	— 6	— 28	33	22	28	33	19	8.8
	9	— 33	— 49	— 33	— 33	0	17	58	63	80	88	77	101	24.8
	10	— 8	— 28	— 30	— 19	0	0	19	28	28	72	55	28	21.8
	11	— 17	— 11	— 33	6	— 6	11	25	28	28	58	44	41	14.2
	12	— 35	— 30	— 14	— 6	— 8	— 11	19	— 3	38	19	14	22	6.7
	13	— 6	0	— 3	— 28	8	3	35	17	35	61	35	35	19.1
	14	— 14	— 11	— 41	— 35	0	— 6	25	28	35	33	41	61	18.6
	15	— 41	N	— 58	N	N	— 46	3	14	6	14	22	17	14.5
	16	— 30	— 69	N	N	— 28	— 6	22	28	35	22	22	25	17.2
	17	— 25	— 46	— 55	— 14	— 28	0	30	6	8	35	44	33	7.4
	18	— 19	— 11	— 25	3	3	14	8	28	28	61	44	55	13.4
	19	— 55	— 35	— 19	— 19	— 6	— 6	25	28	25	35	61	55	17.3
	20	— 28	— 55	— 17	— 33	— 6	— 3	14	44	66	46	38	35	13.2
	21	— 17	N	N	N	N	— 17	41	44	80	101	124	88	31.0
	22	— 30	— 38	N	— 19	— 3	— 3	33	49	93	154	132	104	27.4
	23	N	— 77	— 83	— 33	— 30	— 17	30	49	58	58	35	25	24.9
	24	N	N	N	N	N	— 3	35	38	107	88	83	74	32.6
	25	— 17	— 46	— 22	— 41	— 25	0	17	14	25	35	55	35	16.0
	26	— 6	— 22	— 22	— 22	— 8	6	25	19	33	49	77	69	15.8
	27	— 14	— 14	— 41	— 6	6	3	28	33	49	33	35	35	17.0
	28	— 11	— 22	— 11	— 3	0	17	35	35	58	61	25	22	19.8
	29	— 11	6	— 28	0	— 49	85	83	30	35	30	22	25	14.5
	30	— 8	— 14	— 11	0	— 6	28	38	22	17	25	28	35	13.8
Hourly Means.		— 18.6	— 29.6	— 28.9	— 17.7	— 7.1	3.7	26.9	32.0	44.8	53.6	54.1	48.1	17.53

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	10.66	10.22	9.88	9.98	10.15	10.62	11.32	12.02	12.22	12.10	11.56	10.79	—
	2	11.36	10.96	10.65	10.65	10.78	11.32	11.83	12.06	12.34	11.88	11.25	10.79	—
	3	11.21	10.63	10.22	10.21	10.23	10.58	11.08	11.46	11.51	11.04	10.47	9.74	—
	4	9.50	9.12	9.06	9.09	9.34	9.67	10.38	10.86	10.87	10.57	9.98	9.29	—
	5	10.13	9.96	9.71	9.67	10.02	10.38	10.81	11.07	11.30	10.91	10.29	9.65	—
	6	10.10	9.61	9.51	9.45	9.76	10.21	10.73	11.31	11.16	10.94	10.11	9.21	—
	7	10.00	9.56	9.06	9.12	9.41	9.75	10.17	10.71	10.55	9.93	9.48	8.77	—
	8	9.40	9.30	9.12	9.00	9.17	9.58	9.73	9.91	9.74	9.39	8.88	8.13	—
	9	8.96	8.72	8.63	8.60	8.61	8.72	9.57	10.11	10.12	9.84	9.14	8.46	—
	10	8.98	8.70	8.72	8.58	8.74	9.01	9.32	9.53	9.38	8.90	8.37	7.82	—
	11	8.60	8.16	7.96	8.17	8.52	8.63	9.23	9.72	9.70	9.48	8.75	8.04	—
	12	9.29	8.81	8.60	8.63	8.72	9.16	9.57	10.24	10.69	10.17	9.19	8.39	—
	13	9.06	8.75	8.48	8.79	9.21	9.66	10.60	10.75	10.57	10.11	9.43	8.74	—
	14	8.08	7.95	7.89	8.06	8.42	8.73	9.23	9.56	9.52	9.19	8.53	7.63	—
	15	8.49	8.35	8.03	7.98	8.19	8.62	8.92	9.31	9.12	9.03	8.53	7.68	—
	16	7.71	7.32	7.03	7.08	7.36	7.95	8.95	9.52	9.42	9.22	8.85	8.19	—
	17	8.73	8.25	7.96	8.01	8.10	8.60	9.12	9.86	9.72	9.46	9.31	8.91	—
	18	8.84	8.47	8.26	8.43	8.55	8.57	9.24	9.58	9.65	9.33	8.68	8.37	—
	19	8.80	7.96	7.62	7.71	8.16	8.69	9.42	10.12	9.93	9.74	9.35	8.70	—
	20	8.96	8.67	8.55	8.51	8.62	8.87	9.39	9.65	9.59	9.23	9.08	8.47	—
	21	8.58	8.06	8.01	8.21	8.27	8.41	8.85	9.41	9.38	9.05	8.71	7.91	—
	22	7.93	7.55	7.12	7.17	7.60	7.93	8.31	8.72	8.60	7.93	7.29	7.02	—
	23	7.72	7.26	6.73	6.76	7.19	7.86	8.46	8.73	8.46	8.00	7.38	6.93	—
	24	8.41	8.04	7.72	7.92	8.08	8.23	8.95	9.51	9.30	8.70	8.05	7.47	—
	25	8.06	7.94	7.75	8.07	8.25	8.50	8.77	9.14	9.20	8.82	8.89	8.03	—
	26	8.09	7.57	7.58	7.83	8.20	8.65	9.44	9.82	9.60	9.39	8.89	8.23	—
	27	9.37	9.35	9.03	9.20	9.74	9.90	10.60	10.96	10.97	10.65	9.93	9.57	—
	28	10.23	9.93	9.96	10.10	10.31	10.47	10.82	11.16	10.74	10.28	9.69	8.77	—
	29	8.09	7.64	7.47	7.52	8.25	8.72	9.41	9.60	9.65	9.11	8.64	8.03	—
	30	8.90	8.60	8.44	8.42	8.80	9.37	10.01	10.17	10.15	9.91	9.21	8.38	—
	31	9.38	9.15	9.16	9.35	9.51	9.76	9.36	11.03	11.15	11.00	10.59	9.98	—
Hourly Means.		9.08	8.73	8.51	8.59	8.85	9.20	9.73	10.18	10.14	9.78	9.24	8.58	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	9.92	9.44	9.28	9.15	9.64	9.79	10.36	11.15	11.56	12.19	12.28	11.85	10.76
	2	10.18	9.44	9.28	8.93	9.39	9.88	10.32	10.75	11.58	12.04	12.16	11.76	10.90
	3	9.22	8.67	8.22	7.93	8.34	9.05	9.93	10.55	10.73	10.97	10.57	10.20	10.12
	4	8.37	7.72	7.47	7.26	7.68	8.44	8.85	9.94	10.46	10.88	10.89	10.53	9.43
	5	9.08	8.61	8.13	7.92	8.25	8.78	9.38	9.85	10.36	10.59	10.82	10.66	9.85
	6	8.35	8.02	7.89	7.80	8.07	8.44	9.03	9.79	10.31	10.75	10.60	10.41	9.65
	7	8.37	7.99	7.72	7.58	7.69	8.15	8.71	9.02	9.56	9.88	10.09	9.63	9.20
	8	7.57	6.97	6.79	6.66	6.99	7.55	8.15	8.90	9.43	9.84	9.86	9.54	8.73
	9	7.72	7.18	6.93	6.83	7.18	7.67	8.20	8.91	9.56	10.11	9.76	9.31	8.70
	10	7.02	6.49	6.34	6.24	6.68	7.60	8.09	8.76	9.44	9.65	9.35	9.08	8.37
	11	7.12	6.58	6.23	6.27	7.03	7.77	8.53	9.27	9.71	10.13	10.14	9.95	8.49
	12	7.39	6.53	6.37	6.40	6.84	7.52	8.16	8.94	9.49	9.99	9.90	9.43	8.68
	13	7.99	7.28	7.04	6.95	7.13	7.64	8.01	8.54	8.74	9.12	9.05	8.90	8.77
	14	6.95	6.34	6.14	6.10	6.69	7.31	7.87	8.21	8.53	9.03	9.20	8.78	8.08
	15	7.08	6.44	6.07	6.00	6.54	7.08	7.46	8.12	8.50	8.70	8.60	8.40	7.97
	16	7.34	6.64	6.49	6.41	6.67	7.09	7.82	8.20	8.81	9.19	9.13	8.93	7.97
	17	8.32	7.97	7.51	7.23	7.25	7.82	8.03	8.51	9.04	9.52	9.25	9.01	8.56
	18	7.64	6.94	6.52	6.23	6.68	7.34	8.15	8.90	9.55	9.99	10.05	9.60	8.48
	19	7.94	7.35	7.00	6.90	7.34	7.93	8.55	8.73	9.26	9.61	9.48	9.16	8.56
	20	7.90	7.28	7.18	7.10	7.36	8.15	8.44	8.85	9.19	9.39	9.24	9.04	8.61
	21	7.24	6.64	6.34	6.10	6.28	6.81	7.50	8.15	8.49	8.80	8.41	8.20	7.99
	22	6.32	5.65	5.41	5.54	6.42	6.93	7.59	8.38	8.91	9.16	8.88	8.16	7.52
	23	6.23	5.78	5.75	6.13	6.83	7.84	8.24	8.71	9.57	9.56	9.41	8.74	7.68
	24	6.77	6.08	5.96	5.72	6.54	7.29	7.92	8.39	8.81	9.05	9.03	8.64	7.94
	25	7.48	6.97	6.49	6.59	7.30	7.95	8.23	8.53	9.04	9.28	9.11	8.49	8.20
	26	7.48	6.79	7.17	7.02	7.59	8.23	9.30	9.75	10.19	10.34	10.16	9.80	8.63
	27	8.80	8.14	7.82	7.79	8.15	8.68	9.40	10.04	10.75	10.70	10.75	10.38	9.61
	28	8.23	7.76	7.48	7.15	7.44	7.83	8.30	8.90	9.56	9.67	9.41	9.00	9.30
	29	7.33	6.72	6.53	6.55	6.88	7.57	8.35	8.72	9.46	9.48	9.51	9.33	8.27
	30	7.80	7.18	6.98	6.88	7.21	7.94	8.65	9.13	9.80	10.08	10.03	9.84	8.83
	31	9.03	8.51	8.03	7.93	8.21	8.74	9.20	9.83	10.59	10.54	10.48	10.25	9.62
Hourly Means.		7.88	7.29	7.05	6.94	7.36	7.96	8.54	9.11	9.64	9.94	9.86	9.52	8.82

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	75.5	75.0	74.8	74.4	74.1	74.6	76.6	79.7	81.1	84.0	84.6	87.0	—
	2	77 2	76.4	75.2	74.6	74.0	73.9	75.9	79.7	82.5	84.0	85.7	86.0	—
	3	77.5	76.6	76.0	76.0	75.5	75.0	76.4	79.4	82.2	84.2	87.2	88.7	—
	4	76.3	75.8	75.9	75.9	74.9	74.3	75.2	78.0	81.6	85.0	87 2	88.4	—
	5	76.7	76.4	76.2	75.9	75.1	74.7	76.1	79.7	82.8	85.4	87.8	86.8	—
	6	77.0	76.4	76.4	76.4	76.4	75.8	76.6	79 5	82.7	85.9	87.4	88.7	—
	7	78.0	76.8	75.8	75.0	74.0	73.4	75.0	79.2	83.3	85.2	86.6	87.0	—
	8	77.1	76.7	76.4	76.0	75.7	74.8	76.8	79.8	82.8	84.8	87.2	87.4	—
	9	78.3	77.1	77.1	75.8	75.0	74.7	76.1	79.8	83.6	87.4	90.5	89.0	—
	10	75.1	74 6	74.8	74.0	73.3	73.6	75.5	80 0	83.4	88.0	90.6	89.0	—
	11	75.5	75.0	74.6	74.0	73.3	73.2	74.8	78.5	82.0	86.1	90 1	88.5	—
	12	79.2	78 4	77.2	76.3	75.6	75.2	77.3	82.2	85 5	88.2	90.6	91.0	—
	13	75 7	74.9	74.5	73.6	73.6	73.6	76.2	79.7	82.9	85.3	87.3	88.0	—
	14	76.2	75.2	74.6	74.0	73.8	74.0	76.3	80.4	84.0	87.1	89.6	89.0	—
	15	76.3	75.3	74 1	73 9	73.1	72.9	75.5	80.0	83.3	86.8	89.6	90.3	—
	16	75.0	73.7	72.7	72.0	71.2	70.9	73.3	77.1	82.4	84.2	85.4	87.0	—
	17	78.8	78.4	77.2	76.4	75.4	75.0	76.1	80.0	82.6	84.5	86.0	86.2	—
	18	76.0	75.0	74.6	74.0	73.4	72.9	75.1	80.1	83.7	86.5	89.6	87.3	—
	19	77.0	76.0	75.6	75.6	75.4	75.0	76.9	80.7	83 7	85.2	86.6	87.6	—
	20	76.0	76.0	76.0	75.7	75.3	75.4	78.0	82.3	85 1	86.6	87.0	87.1	—
	21	76.5	76.0	75.0	74.5	73.9	74.1	77.8	81.5	83.9	86.0	88 0	89.0	—
	22	75.3	74.4	74.4	73.8	73.0	72.6	75.7	79.5	83.0	87.7	91.0	86.5	—
	23	77.4	76.4	76.2	75.7	75.4	75 0	78.1	82.3	86.2	89.1	92.2	89.0	—
	24	78.2	77.7	77.5	77.0	77.2	76.8	78.2	81.0	84.1	87.3	89.6	90.0	—
	25	78 5	78.1	77.6	77.4	77.1	76.8	78 7	82 4	85.4	87.0	87.0	89.7	—
	26	78.2	77.8	77.4	77.4	77.1	77.5	80.0	82 0	85.1	87.6	88.4	88.0	—
	27	78.0	77.4	76.2	75.6	75 6	76.1	78.6	82.5	85.3	87.0	88.8	89.5	—
	28	75.4	75.4	75.1	74 8	74.4	74.2	77.3	82.3	85 6	89.2	91.0	90.4	—
	29	77.5	77.0	77.8	77.1	76.1	75.7	78.3	82.1	84.4	88.3	88.3	88.6	—
	30	77.1	75.8	75.2	74.4	74.2	74.0	77.5	81.7	84.6	86.7	87 9	88.7	—
	31	77.0	76.2	75.6	75.3	75.0	75.6	78.2	81.8	84.8	87.0	87.2	88.1	—
Hourly Means.		76.89	76.19	75.73	75.24	74.75	74.56	76.71	80.48	83.66	86.36	88.26	88.31	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	87.0	85.0	83.6	83.2	82.3	82.1	81.6	81.3	80.8	80.2	79.8	78.6	80.29
	2	87.0	88.0	85.1	85.0	83.0	82.0	81.2	80.2	80.2	79.9	78.7	78.1	80.56
	3	87.6	86.5	85.3	84.3	83.6	82.5	82.0	82.0	80.8	79.4	78.0	77.0	80.99
	4	87.6	87.2	85.6	84.8	84.2	83.4	82.6	82.0	81.1	79.9	78.5	76.9	80.93
	5	87.0	86.6	86.0	85.0	83.0	82.5	82.1	81.8	81.2	80.3	78.7	78.1	81.08
	6	87.6	87.0	86.0	84.6	83.8	83 0	82.6	82.1	81.5	81.2	80.7	79.6	81.62
	7	87.0	86.4	85 7	85.3	84.0	82.8	82.1	81.7	81.0	80.2	79.0	77.8	80.93
	8	86.8	87.2	86.6	85.1	83.6	82 7	82.4	82.1	82.0	81.5	81.0	79.3	81.49
	9	90.0	88.9	87.3	85.8	84.5	82.9	81.4	80.0	78.6	77.2	76.7	76.1	81.41
	10	89.1	91.1	92 2	90.5	87.5	84.3	82.5	80 5	79.5	78.6	77.4	76.4	81.73
	11	92.4	93.7	92.6	90.6	88.0	85.5	84.4	83.6	82 6	81.5	81.0	80.0	82.56
	12	92.0	95.0	94.2	92.0	87.9	85.0	83.0	81.1	79.6	78.3	77.7	76.3	83.28
	13	88.0	87.7	86.1	86.0	84.7	83.1	82.1	80.0	79 0	78 0	77.1	76.9	80.58
	14	87.8	87.4	86.1	84.8	83.8	82.8	81.9	80.9	80.3	79.0	78.0	77.0	81.00
	15	89.5	88.3	87.6	86.2	84.4	83.3	82.7	80.7	79.2	78.2	77.0	76.0	81.01
	16	86.2	86.7	85.6	84.8	83.7	82.7	82.3	81.6	80.4	79.7	79 4	79.2	79.88
	17	87.2	85.6	84.8	83.6	82.0	82.0	80.7	80.0	79 0	78.1	77.4	76.6	80.57
	18	87.8	87.2	87 0	85.7	84.6	83.0	82.4	81.5	80.1	79.3	78.0	77.7	80.94
	19	88.0	88.0	87.1	85.3	84.3	83 7	83.5	80.7	79.2	78.1	77.0	76.2	81.10
	20	89.0	89.2	87.6	85.4	85.0	83.6	83.2	82 8	80.1	79.6	78.4	77.1	81 73
	21	89.0	87.2	87.0	87.3	87.2	85.0	82.3	80.4	79.7	77.9	76.9	76.5	81.36
	22	89.3	88.5	88 3	88 1	85.9	84.1	83.1	82.0	80.4	79.5	78.8	78.1	81.38
	23	87.9	87.1	86.5	85.6	84.8	83.9	82.8	81.6	80.0	79.2	78.8	78.8	82.08
	24	89.0	88.6	88.6	87.2	87.8	84.9	82.7	80.8	80.1	79.0	78.7	79.2	82.55
	25	88.7	87.7	87.0	85.2	85.1	83.0	81.5	80.2	79.3	78.8	78.6	78.6	82.06
	26	88.5	88.7	86.1	86.1	85 0	84.4	82.2	81.3	81.0	80.1	78.7	78.2	82.37
	27	88.0	87.2	87.8	89.8	87.2	85.4	81.7	80.0	78.7	77.5	76.9	75.8	81.94
	28	87.1	86.0	86.5	86.1	86.1	84.0	83.4	82.7	82.0	80.1	79.2	78 2	81.94
	29	87.1	87.1	86.3	85.3	84.2	83.0	82.0	81.2	81.1	79.6	78.5	77.8	81.85
	30	88.3	88.4	86.5	85.7	84.1	83.3	82.8	82.4	81.8	79.8	78 8	77.6	81.55
	31	88.6	87.2	86.2	85.0	84.0	83.2	82.7	80.4	78.7	78.0	78.0	78.0	81.33
Hourly Means.		88 26	87.95	87.06	86.11	84 82	83.45	82 38	81.28	80.29	79.28	78.43	77.67	81.42

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	792	798	805	804	820	813	778	721	691	641	611	602	—
	2	811	817	863	870	869	877	765	773	669	628	585	587	—
	3	844	866	873	856	864	888	849	742	694	648	592	563	—
	4	833	848	841	824	854	870	855	782	720	626	550	568	—
	5	810	809	808	800	822	821	777	700	611	554	502	555	—
	6	772	762	731	724	724	744	724	663	635	543	528	540	—
	7	759	786	799	830	836	852	790	698	607	609	572	567	—
	8	827	833	841	848	848	854	787	707	617	587	592	611	—
	9	753	779	795	864	879	896	856	751	621	539	618	704	—
	10	872	854	830	853	877	869	807	708	607	571	461	490	—
	11	799	797	789	803	818	852	822	710	622	504	536	574	—
	12	740	761	773	794	815	814	765	608	548	470	472	442	—
	13	736	781	804	827	827	827	762	692	624	589	544	542	—
	14	809	831	845	853	861	853	802	723	640	550	544	569	—
	15	825	831	861	877	876	868	792	752	619	496	462	493	—
	16	855	886	893	901	900	900	869	765	635	649	634	616	—
	17	838	845	851	873	897	879	841	788	670	625	624	631	—
	18	873	888	888	903	911	893	839	774	665	565	473	641	—
	19	866	881	889	898	889	905	851	746	666	658	631	623	—
	20	841	856	864	872	880	864	790	654	600	576	566	602	—
	21	858	873	880	879	896	878	775	734	620	609	582	575	—
	22	815	813	813	829	860	859	752	676	635	544	468	583	—
	23	805	817	794	816	832	839	760	660	580	524	433	541	—
	24	830	836	836	851	843	858	837	782	648	557	477	546	—
	25	784	799	813	805	804	811	762	673	626	548	591	550	—
	26	862	868	876	868	867	852	774	736	626	552	549	583	—
	27	821	805	809	832	848	849	792	702	614	567	563	532	—
	28	824	832	847	871	888	879	774	627	547	457	395	465	—
	29	766	773	752	750	777	776	730	693	654	492	531	579	—
	30	765	793	807	838	829	829	743	699	590	535	518	512	—
	31	804	810	816	832	840	800	730	670	554	535	518	523	—
Hourly Means.		813	823	829	840	850	851	792	713	628	566	539	565	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	591	637	672	663	708	728	741	733	760	795	802	821	730
	2	537	537	614	632	703	736	762	788	796	802	830	845	737
	3	612	589	595	648	685	695	736	736	775	801	820	826	742
	4	594	592	609	637	674	645	696	736	761	773	806	826	730
	5	562	582	617	657	710	722	742	749	776	752	731	729	704
	6	570	584	623	656	653	675	682	686	712	717	731	757	672
	7	627	594	622	614	647	675	700	713	739	758	784	805	708
	8	608	659	677	725	748	745	765	757	750	770	775	727	736
	9	701	546	711	746	708	738	769	802	830	827	866	873	757
	10	441	373	450	493	515	589	626	687	697	723	741	762	662
	11	478	479	547	594	468	565	596	593	620	669	689	707	651
	12	380	285	248	260	612	520	584	640	669	700	698	730	597
	13	543	541	551	562	586	643	686	742	761	836	803	810	692
	14	586	543	604	643	699	738	749	782	788	808	813	866	729
	15	510	554	581	605	675	704	716	767	793	798	826	841	713
	16	605	595	634	651	686	738	764	784	818	824	823	831	761
	17	616	628	676	712	764	771	804	825	838	861	859	874	775
	18	559	574	592	641	688	738	758	791	811	839	876	867	752
	19	571	548	603	659	708	741	740	709	771	775	811	809	748
	20	570	542	581	640	659	706	725	732	759	780	807	835	721
	21	542	569	557	564	528	594	674	716	735	775	811	817	710
	22	554	534	549	496	580	642	698	737	775	810	801	814	693
	23	537	592	638	641	665	694	738	763	774	786	801	801	701
	24	547	545	551	545	468	632	675	725	759	764	770	757	693
	25	563	587	609	659	652	637	720	760	786	801	808	815	707
	26	585	551	613	625	639	657	737	756	761	781	815	837	724
	27	542	544	518	394	464	518	612	658	703	744	773	825	668
	28	526	568	577	575	563	629	734	696	700	730	734	746	674
	29	592	509	546	577	591	625	688	713	712	751	770	776	672
	30	521	555	577	617	648	665	697	731	736	766	771	790	689
	31	529	598	619	665	681	719	732	703	808	830	829	821	707
Hourly Means.		558	553	586	606	638	672	711	733	757	779	793	805	708

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12
OCTOBER.	1	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	WSW	N	N
	2	NNW	C	NNW	C	C	NNW	NNW	NNW	ENE	NE	NNE	N
	3	C	C	NNE	C	C	C	NNE	NNE	NE	N	NE	N
	4	NNE	NNE	NNE	C	C	NNE	NNE	NNE	NNE	NNE	E	NNE
	5	NE	NE	NE	NE	NE	NE	NE	SSE	S	WSW	SW	NNE
	6	SW	SW	SW	SW	SW	C	SW	SW	SW	SW	SW	N
	7	C	C	NE	C	NE	NE	NE	NE	NE	NE	N	N
	8	C	C	C	C	C	NE	NE	SE	ESE	NE	NW	N
	9	NE	NE	NE	C	C	C	NE	NE	ESE	E	ENE	N
	10	C	NNE	C	C	C	NNE	NNE	NNE	S	SSE	ENE	N
	11	ENE	ENE	ENE	C	C	C	ENE	E	SSE	ESE	E	N
	12	NE	C	C	C	NE	NE	NE	S	S	SE	E	NE
	13	C	NE	NE	NE	NE	NE	NE	NE	NE	NE	NNE	N
	14	C	NE	NE	NE	NE	NE	NE	NE	ENE	SE	E	N
	15	C	C	N	N	N	N	N	N	N	N	NE	NNE
	16	C	C	C	C	C	C	NNW	NNW	NE	N	N	N
	17	C	C	C	C	C	C	NNE	NNE	NNE	NE	N	NNE
	18	C	C	C	C	C	N	N	N	ESE	E	E	N
	19	NNE	NNE	NNE	C	C	C	NNE	NNE	NE	ENE	N	N
	20	N	C	N	C	N	N	N	NE	SSE	S	NNE	NNE
	21	C	C	C	C	N	N	N	N	WSW	NNE	N	N
	22	C	C	C	C	C	C	NE	S	S	SSE	SE	N
	23	NE	C	NE	NE	C	C	NE	NE	SSE	SSE	E	N
	24	C	C	C	C	C	C	NNE	NNE	NNE	W	E	NNE
	25	C	C	C	NE	NE	NE	NE	NE	NE	NE	N	NE
	26	C	C	NW	NW	NW	NW	NW	NW	NE	E	NNE	NNE
	27	W	C	C	C	C	C	W	W	SE	SW	N	N
	28	C	NE	C	C	C	NE	NE	S	S	S	SW	N
	29	NNE	NNE	NNE	NNE	NNE	NNE	NNE	S	ESE	ENE	NNW	N
	30	C	N	N	N	N	N	N	N	SSE	E	E	N
	31	C	C	C	C	C	N	N	NNW	SW	SW	W	N

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12
OCTOBER.	1	NNE	N	N	N	N	NNW	C	C	C	C	C	C
	2	N	NNE	NNE	NE	NNE	NNE	NNE	C	C	C	C	C
	3	NNE	NNE	NNE	NNE	N	NNE	NNE	NNE	C	NNE	NNE	NNE
	4	NE	NNE	NNE	NE	NE	NE	NE	C	C	C	NE	NE
	5	N	N	N	N	N	N	N	C	C	N	WSW	SW
	6	N	NE	NNE	N	NE	NE	NE	NE	C	C	C	NE
	7	NNE	N	N	NNE	NE	NE	NE	C	C	C	C	C
	8	N	NE	N	NE	NE	NE	NE	NE	C	C	NE	NE
	9	N	NE	NNE	NNE	NE	NNE	C	C	C	C	NNE	C
	10	N	E	ENE	ENE	NE	ENE	ENE	ENE	ENE	C	C	ENE
	11	E	E	NE	ENE	ENE	ENE	NE	NE	NE	C	C	C
	12	N	ENE	E	ENE	NE	NE	NE	C	C	C	C	C
	13	N	N	N	NNE	NE	NE	NE	C	C	C	C	C
	14	N	NNE	N	N	N	N	C	C	C	C	C	C
	15	NNE	NNE	NNE	N	NNW	NNW	NNW	C	C	C	C	C
	16	NW	NE	NNE	N	N	NNE	NNE	C	C	C	NNE	NNE
	17	N	NNE	NNE	NNE	NNE	N	C	C	C	C	C	C
	18	N	N	NNE	NE	NNE	NNE	NNE	C	C	C	C	NNE
	19	NNE	NE	NNE	N	N	N	N	N	N	C	C	C
	20	NNE	N	NE	N	N	N	N	N	N	N	C	C
	21	N	N	N	NE	NE	NE	NE	NE	C	C	C	C
	22	N	N	N	NNE	NNE	NNE	NE	NE	C	C	NE	NE
	23	N	NNE	NNE	N	N	NNE	C	NNE	NNE	NNE	NNE	C
	24	N	NNE	NE	N	NE	NE	C	NE	NE	C	NE	NE
	25	N	N	N	N	NNW	NW	NW	C	C	C	C	C
	26	N	N	N	NNW	N	NW	NW	C	C	C	C	W
	27	N	N	NE	NE	NE	NE	C	C	C	C	C	C
	28	N	NNE	N	N	N	NNE	NNE	C	NNE	NNE	NNE	NNE
	29	N	NNE	NNE	N	N	N	C	C	N	C	C	N
	30	NNE	N	N	NE	N	N	N	C	C	N	C	C
	31	N	N	NNW	NNW	N	N	N	SE	S	S	S	S

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	3.2	3.2	4.0	4.8	4.0	4.8	3.2	3.2	2.4	4.8	5.6	8.9	—
	2	0.8	0.0	0.8	0.0	0.0	0.8	0.8	4.0	4.8	4.8	8.0	12.1	—
	3	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.6	4.8	5.6	7.2	14.5	—
	4	1.6	0.8	0.8	0.0	0.0	1.6	4.8	4.8	4.8	4.0	7.2	8.0	—
	5	2.4	1.6	5.6	4.0	2.4	2.4	3.2	8.9	4.0	5.6	4.8	8.9	—
	6	3.2	4.8	5.6	3.2	0.8	0.0	0.8	1.6	2.4	3.2	4.0	9.7	—
	7	0.0	0.0	0.8	0.0	0.8	1.6	2.4	1.6	3.2	6.4	8.9	12.9	—
	8	0.0	0.0	0.0	0.0	0.0	1.6	3.2	5.6	4.0	4.8	8.0	12.9	—
	9	2.4	3.2	0.8	0.0	0.0	0.0	3.2	4.8	6.4	9.7	12.1	17.7	—
	10	0.0	0.8	0.0	0.0	0.0	1.6	3.2	5.6	8.0	11.3	17.7	16.9	—
	11	1.6	1.6	1.6	0.0	0.0	0.0	3.2	4.0	3.2	9.7	16.1	14.5	—
	12	0.8	0.0	0.0	0.0	1.6	2.4	4.8	6.4	8.0	12.9	17.7	17.7	—
	13	0.0	0.8	0.8	3.2	3.2	1.6	4.0	4.8	2.4	6.4	8.9	12.9	—
	14	0.0	0.8	0.8	1.6	0.8	0.8	4.8	3.2	9.7	9.7	11.3	14.5	—
	15	0.0	0.0	1.6	0.8	1.6	2.4	3.2	4.0	4.0	8.0	8.0	14.5	—
	16	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	5.6	8.0	11.3	14.5	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	4.8	5.6	8.0	12.9	—
	18	0.0	0.0	0.0	0.0	0.0	2.4	1.6	4.0	8.0	9.7	14.5	16.1	—
	19	0.8	2.4	1.6	0.0	0.0	0.0	0.8	3.2	7.2	7.2	10.5	16.1	—
	20	0.8	0.0	0.8	0.0	1.6	1.6	4.8	7.2	4.0	4.8	8.0	15.3	—
	21	0.0	0.0	0.0	0.0	0.8	4.0	4.8	5.6	4.8	7.2	8.9	13.7	—
	22	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.8	5.6	8.0	14.5	16.1	—
	23	0.8	0.0	3.2	1.6	0.0	0.0	3.2	5.6	8.0	9.7	13.7	14.5	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	4.8	7.2	12.9	—
	25	0.0	0.0	0.0	0.8	1.6	4.8	4.8	5.6	4.0	6.4	6.4	10.5	—
	26	0.0	0.0	1.6	1.6	1.6	0.8	1.6	1.6	4.8	8.0	6.4	15.3	—
	27	1.6	0.0	0.0	0.0	0.0	0.0	2.4	3.2	5.6	6.4	11.3	14.5	—
	28	0.0	0.8	0.0	0.0	0.0	1.6	4.0	8.0	8.0	8.0	6.4	12.9	—
	29	3.2	2.4	2.4	2.4	1.6	2.4	6.4	6.4	4.8	6.4	11.3	16.1	—
	30	0.0	0.8	2.4	1.6	0.8	3.2	6.4	6.4	4.8	4.8	6.4	12.9	—
	31	0.0	0.0	0.0	0.0	0.0	2.4	5.6	5.6	7.2	4.0	6.4	12.9	—
Hourly Means.		0.75	0.77	1.16	0.83	0.75	1.45	3.25	4.42	5.24	6.96	9.57	13.67	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	13.7	15.3	11.3	9.7	6.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.55
	2	16.1	16.1	19.3	17.7	12.1	5.6	1.6	0.0	0.0	0.0	0.0	0.0	5.23
	3	14.5	17.7	16.9	17.7	12.9	7.2	0.8	0.8	0.0	0.8	1.6	2.4	5.36
	4	12.9	15.3	19.3	16.9	8.9	4.8	1.6	0.0	0.0	0.0	3.2	2.4	5.15
	5	16.1	13.7	12.9	11.3	7.2	4.8	0.8	0.0	0.0	4.0	4.0	3.2	5.49
	6	12.9	17.7	17.7	15.3	11.3	3.2	1.6	0.8	0.0	0.0	0.0	0.8	5.03
	7	14.5	14.5	13.7	12.9	12.9	7.2	1.6	0.0	0.0	0.0	0.0	0.0	4.83
	8	16.1	16.1	14.5	15.3	12.9	8.0	4.8	1.6	0.0	0.0	0.8	4.0	5.59
	9	22.5	23.3	19.3	15.3	12.9	6.4	0.0	0.0	0.0	0.0	0.8	0.0	6.70
	10	16.9	24.1	28.1	25.7	19.3	10.5	4.8	1.6	0.8	0.0	0.0	1.6	8.27
	11	21.7	22.5	25.7	25.7	20.9	17.7	11.3	4.8	1.6	0.0	0.0	0.0	8.64
	12	16.9	22.5	25.7	20.9	10.5	6.4	3.2	0.0	0.0	0.0	0.0	0.0	7.43
	13	16.1	16.1	15.3	16.1	12.9	5.6	0.8	0.0	0.0	0.0	0.0	0.0	5.50
	14	14.5	15.3	15.3	12.9	8.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	5.30
	15	16.9	19.3	14.5	12.9	9.7	3.2	1.6	0.0	0.0	0.0	0.0	0.0	5.26
	16	16.1	16.1	17.7	13.7	11.3	5.6	1.6	0.0	0.0	0.0	0.8	0.8	5.26
	17	17.7	14.5	16.1	9.7	8.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	4.25
	18	19.3	20.9	20.9	18.5	11.3	8.0	3.2	0.0	0.0	0.0	0.0	0.8	6.63
	19	18.5	16.1	19.3	19.3	20.9	4.0	0.8	4.0	0.8	0.0	0.0	0.0	6.40
	20	16.9	17.7	18.5	16.9	9.7	4.0	0.8	3.2	2.4	0.8	0.0	0.0	5.83
	21	16.9	19.3	19.3	20.1	14.5	8.9	1.6	1.6	0.0	0.0	0.0	0.0	6.33
	22	14.5	16.1	16.1	18.5	15.3	11.3	6.4	0.8	0.0	0.0	1.6	0.8	6.43
	23	17.7	15.3	16.1	14.5	9.7	3.2	0.0	1.6	0.8	2.4	1.6	0.0	5.97
	24	15.3	17.7	19.3	19.3	11.3	1.6	0.0	1.6	1.6	0.0	2.4	0.8	5.09
	25	16.1	16.1	16.1	11.3	6.4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	4.79
	26	17.7	17.7	18.5	8.9	7.2	4.0	2.4	0.0	0.0	0.0	0.0	2.4	5.09
	27	15.3	12.1	12.9	18.5	11.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	4.96
	28	16.1	14.5	12.9	11.3	9.7	4.8	1.6	0.0	3.2	4.0	3.2	4.0	5.63
	29	17.7	17.7	16.1	11.3	11.3	4.8	0.0	0.0	0.8	0.0	0.0	0.8	6.10
	30	14.5	15.3	16.1	14.5	10.5	4.8	0.8	0.0	0.0	3.2	0.0	0.0	5.43
	31	15.3	16.1	16.1	13.7	9.7	4.0	1.6	8.9	4.8	1.6	2.4	2.4	5.86
Hourly Means.		16.38	17.18	17.47	15.69	11.54	5.51	1.81	1.01	0.54	0.54	0.72	0.88	5.75

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CLOUDS.

CLEAR = 0. — OVERCAST = 10.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	5	3	3	2	10	10	7	9	9	7	9	8	—
	2	3	3	1	2	4	5	1	3	7	7	7	6	—
	3	4	3	3	7	4	8	4	4	4	6	5	4	—
	4	2	2	3	4	5	9	9	9	7	8	9	8	—
	5	3	6	1	3	3	3	5	3	3	5	5	9	—
	6	4	2	2	2	9	6	7	2	4	4	6	4	—
	7	3	3	2	3	2	2	1	0	0	5	2	6	—
	8	4	3	4	2	5	6	3	4	2	5	7	6	—
	9	2	3	6	2	3	1	2	1	1	2	3	3	—
	10	1	4	3	3	4	3	2	1	1	1	1	2	—
	11	1	1	1	2	6	4	4	6	6	7	4	2	—
	12	6	3	3	2	3	4	1	1	1	1	6	2	—
	13	2	3	2	4	5	7	7	7	6	5	5	2	—
	14	4	2	2	2	10	5	7	6	3	2	5	7	—
	15	2	1	1	2	1	2	2	1	1	1	0	1	—
	16	3	2	2	2	4	1	1	2	1	3	6	2	—
	17	10	8	3	3	3	2	1	7	5	6	8	6	—
	18	4	4	2	1	1	4	1	1	3	3	4	4	—
	19	2	2	4	8	5	2	4	2	4	7	4	3	—
	20	1	9	9	1	2	3	3	2	3	6	8	4	—
	21	6	6	6	5	6	4	2	1	2	6	3	2	—
	22	2	2	1	1	2	4	0	7	0	0	6	5	—
	23	4	3	3	5	4	6	2	2	4	5	7	4	—
	24	10	4	8	10	9	7	9	8	5	7	8	3	—
	25	3	7	6	3	9	7	5	3	2	9	3	2	—
	26	1	6	10	10	10	10	7	7	6	7	6	7	—
	27	9	6	3	4	7	9	6	4	7	7	6	5	—
	28	2	2	1	1	4	7	2	1	0	0	1	4	—
	29	3	7	9	4	5	3	6	4	5	6	5	3	—
	30	2	1	1	2	2	1	2	1	3	5	7	2	—
	31	2	5	1	4	2	1	3	2	9	8	7	7	—
Hourly Means.		3.5	3.7	3.4	3.4	4.8	4.7	3.7	3.6	3.7	4 9	5.3	4.3	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	5	8	9	10	10	10	10	10	9	9	7	3	7.6
	2	6	4	4	4	4	6	5	3	8	9	5	7	4.8
	3	2	1	1	1	0	4	8	7	3	2	2	2	3.7
	4	10	6	3	3	4	6	9	10	6	8	5	3	6.2
	5	7	6	5	7	8	10	9	7	3	6	7	5	5.4
	6	1	1	1	2	2	9	7	6	10	10	9	6	4.8
	7	2	2	2	3	3	9	7	8	9	4	3	2	3.5
	8	2	1	0	1	6	7	6	7	8	7	7	9	4.7
	9	2	1	0	0	1	2	2	6	2	6	3	1	2.3
	10	3	3	2	3	4	3	1	0	0	0	1	1	2.0
	11	1	1	4	6	7	10	10	9	3	10	10	10	5.2
	12	3	4	6	8	7	6	7	5	8	7	8	4	4.4
	13	4	3	2	1	1	4	2	2	1	1	1	1	3.3
	14	7	8	9	8	9	9	7	5	6	7	5	4	5.8
	15	2	2	1	2	4	4	1	0	0	0	1	1	1.4
	16	2	1	1	2	3	5	6	3	8	4	9	10	3.5
	17	6	7	9	8	8	6	2	2	1	1	3	3	4.9
	18	1	0	0	0	0	4	2	1	1	1	2	5	2.0
	19	2	2	1	1	4	9	6	4	4	4	6	3	3.9
	20	3	2	3	4	7	10	7	9	7	10	8	5	5.3
	21	1	1	0	1	2	4	2	2	1	1	1	2	2.8
	22	2	3	7	8	9	6	3	5	4	5	9	3	3.9
	23	6	7	10	10	10	10	4	3	3	4	3	7	5.3
	24	2	2	2	3	6	3	2	1	1	1	7	9	5.3
	25	6	3	4	7	8	4	3	1	2	2	4	7	4.6
	26	3	2	9	9	9	6	8	8	10	4	2	3	6.7
	27	6	9	6	4	4	4	3	3	2	2	1	3	5.0
	28	1	0	6	8	5	6	10	9	6	4	1	2	3.5
	29	2	2	4	1	1	4	0	6	5	1	3	1	3.8
	30	4	6	7	6	9	10	8	10	8	7	7	4	4.8
	31	1	1	2	4	8	9	5	10	8	5	9	9	5.1
Hourly Means.		3.4	3.2	3.9	4.4	5.3	6.4	5.2	5.2	4.7	4.6	4.8	4.4	4.35

DURATION OF SUNSHINE.

OCTOBER.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	0	1	1	9	9	6	6	10	8	6	3	8	9	6	4	4	5.6
2	8	8	4	5	6	7	8	4	9	9	7	8	7	4	6	9	6.8
3	8	8	7	8	2	9	8	7	9	9	9	9	9	8	6	6	7.6
4	0	4	9	7	9	8	6	6	7	5	9	9	9	9	9	9	7.1
5	8	8	7	5	4	7	6	0	3	8	7	9	10	10	10	10	7.0
6	10	10	10	10	7	9	4	7	8	10	10	10	10	10	10	10	9.1
7	10	10	10	8	7	10	10	9	9	10	10	10	10	10	10	10	9.6
8	6	10	10	7	6	7	6	3	7	10	10	10	10	10	10	10	8.3
9	10	10	10	10	10	10	10	8	10	10	10	10	10	10	10	10	9.9
10	9	10	10	10	10	10	10	9	10	10	10	10	10	10	10	10	9.9
11	8	7	4	8	5	9	9	9	9	9	9	9	9	9	8	7	8.0
12	10	10	10	10	9	9	9	10	10	10	10	6	10	8	7	6	9.0
13	9	9	6	10	4	8	8	10	10	10	10	10	10	10	10	9	8.9
14	10	8	8	10	9	8	9	8	9	8	4	6	8	6	5	3	7.4
15	10	10	10	10	10	10	10	9	9	10	10	10	10	10	10	10	9.9
16	10	10	10	7	6	7	9	10	10	10	10	10	10	10	10	10	9 3
17	2	7	7	1	4	4	5	6	9	10	9	4	2	3	3	3	4.9
18	10	7	8	7	8	9	5	5	8	10	10	10	10	10	10	10	8.6
19	7	6	7	6	4	6	7	10	10	10	10	10	10	10	10	10	8.3
20	10	10	6	5	7	3	4	7	6	10	10	10	8	10	3	6	7.2
21	10	10	8	6	3	7	8	9	9	10	10	9	10	10	10	9	8.6
22	7	8	7	8	10	9	7	4	5	9	10	9	9	8	7	5	7.6
23	9	8	7	8	6	7	6	6	7	8	7	2	3	1	0	0	5.3
24	2	6	6	7	7	7	4	6	8	10	9	10	10	10	10	8	7.5
25	9	9	10	7	2	1	6	5	8	9	7	10	10	10	10	5	7 4
26	7	9	5	6	5	2	3	5	6	7	9	10	10	4	2	3	5.8
27	10	8	8	1	6	7	9	8	7	5	8	4	2	0	6	10	6.2
28	10	10	10	10	10	10	10	10	10	9	8	7	8	10	7	4	8.9
29	9	7	8	10	7	6	7	10	10	10	10	10	7	10	8	4	8.3
30	8	8	7	6	8	6	3	8	10	10	10	10	10	10	10	9	8.3
31	8	7	4	3	2	2	1	1	4	10	10	10	10	10	9	8	6.2
Hourly Means.	7.9	8.2	7.5	7.3	6.5	7.1	6.9	7.1	8.2	9.1	8.9	8.7	8.7	8.3	7.7	7.3	7.84

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

OCTOBER.

Mean Batavia Time.	7^h30 A. M.	8	8^h30	9	9^h30	10	10^h30	11	11^h30	12	0^h30 P. M.	1	1^h30	2	2^h30	3	3^h30	4	4^h30
1	32.8	35.8	35.0	39.6	39.1	50.4	53.6	39.4	42.4	50.4	47.9	51.9	47.1	42.4	40.1	37.2	35.8	33.6	32.0
2	38.4	40.3	44.0	42.4	44.4	41.3	50.4	49.4	50.4	50.3	47.6	48.1	46.2	49.0	44.1	38.9	44.4	39.4	33.9
3	37.7	41.3	42.4	43.4	49.3	42.4	47.4	53.4	49.4	54.5	53.2	50.9	51.4	51.8	51.2	50.5	45.4	37.9	32.8
4	27.6	32.4	36.1	44.9	46.7	52.3	52.7	46.3	47.6	52.4	44.9	47.4	48.4	49.2	47.1	43.4	41.0	35.9	32.9
5	35.9	39.9	40.9	45.7	46.5	50.2	47.4	55.8	46.9	39.1	50.0	48.7	48.7	48.3	46.7	46.3	43.1	37.4	32.8
6	34.4	40.8	43.7	47.8	48.5	47.6	50.4	44.4	46.5	48.8	51.4	51.9	50.1	49.4	48.5	47.4	43.4	35.6	33.4
7	39.4	43.9	46.8	48.4	50.5	47.4	51.9	52.3	52.9	50.4	50.9	50.4	50.1	48.5	47.4	45.9	42.2	35.2	32.8
8	37.9	35.4	44.4	48.4	48.1	42.9	50.8	55.4	41.4	47.4	50.4	51.4	49.9	52.0	50.8	49.4	44.0	40.0	33.3
9	39.4	44.3	46.4	47.6	49.4	51.7	52.9	55.3	53.5	52.1	52.5	51.9	50.7	50.5	49.4	47.8	43.2	34.8	32.4
10	38.6	42.9	45.4	48.8	48.8	51.4	52.4	53.9	54.3	52.4	52.8	52.0	52.1	49.8	49.9	47.3	44.7	35.6	34.1
11	30.8	44.3	43.9	41.0	38.9	47.0	45.2	52.4	53.0	52.5	52.7	52.4	52.1	51.2	50.4	47.9	45.1	38.4	37.0
12	40.4	45.4	46.6	49.3	47.9	52.5	49.4	50.3	51.9	54.4	54.4	54.4	54.1	51.9	52.6	43.8	46.9	37.9	34.4
13	36.5	39.4	44.4	48.9	46.0	43.1	44.4	50.4	50.2	53.3	52.1	51.8	51.0	51.3	51.8	49.4	49.4	38.3	34.5
14	37.0	43.3	45.6	45.7	49.7	51.3	52.9	53.7	56.0	54.5	52.4	47.4	51.2	50.4	45.4	41.9	36.6	34.9	33.6
15	38.6	43.6	45.6	49.2	50.4	52.6	53.3	55.4	54.6	52.9	52.4	52.1	52.1	50.6	49.8	48.4	42.7	35.6	32.6
16	38.4	43.4	45.7	47.9	49.7	48.9	43.9	48.3	51.9	52.4	51.9	50.4	51.0	49.2	46.9	43.2	40.5	34.9	32.2
17	39.5	40.3	43.8	48.8	40.5	47.9	48.9	48.3	45.4	47.9	50.9	51.5	49.3	41.0	42.0	40.9	38.5	34.4	32.4
18	39.6	43.4	43.4	49.0	48.1	49.9	52.4	52.6	52.4	49.4	53.4	53.3	54.4	51.3	51.7	49.4	44.4	39.4	33.4
19	39.4	44.7	44.6	47.7	50.4	42.6	45.0	44.8	52.2	53.6	54.0	52.2	52.2	50.4	49.6	47.4	44.2	35.2	32.0
20	39.9	45.1	46.4	51.8	41.2	47.5	53.8	42.1	47.4	46.0	51.8	52.3	50.4	50.2	47.3	45.6	37.3	33.4	32.0
21	39.4	43.9	44.9	48.6	49.8	42.8	46.4	55.3	54.4	52.9	52.4	51.1	50.2	48.4	48.7	47.2	45.4	34.4	32.9
22	36.6	39.3	39.3	45.5	49.4	50.9	52.6	50.4	52.0	47.1	50.2	52.2	49.0	48.4	49.3	44.9	42.3	35.6	34.4
23	41.0	44.0	48.0	49.4	51.6	54.3	46.9	57.2	46.4	52.0	49.5	51.4	48.3	47.3	47.3	36.4	35.4	34.9	31.4
24	30.4	42.5	38.9	44.6	48.0	49.1	53.9	46.8	46.4	51.4	51.9	51.7	50.1	50.6	49.6	48.4	47.4	35.4	33.0
25	33.9	43.0	45.5	50.2	52.0	44.9	39.9	44.8	49.3	51.2	52.6	51.7	49.1	50.4	49.9	47.9	43.8	34.1	31.3
26	35.9	35.5	44.9	46.0	46.1	49.9	46.6	45.9	47.2	44.4	45.9	50.4	44.2	50.3	48.0	35.6	35.9	35.3	32.5
27	36.0	45.4	48.0	48.8	48.6	43.4	47.4	53.4	54.4	54.4	49.4	50.9	48.0	38.9	37.4	38.9	48.5	35.9	33.0
28	40.6	44.4	45.9	49.2	49.9	52.2	52.6	54.4	55.4	54.4	53.4	50.4	51.9	47.3	49.4	46.4	45.4	39.4	33.4
29	40.6	44.5	46.5	46.6	50.5	54.7	52.2	50.0	51.1	52.9	52.0	51.0	50.1	50.4	49.2	45.4	46.8	33.4	30.7
30	39.5	44.8	45.0	49.9	50.2	51.7	52.4	45.0	43.0	52.8	52.0	50.5	50.4	49.9	48.8	46.6	44.4	35.2	31.9
31	40.0	42.6	44.8	43.4	46.4	45.5	45.9	46.1	44.5	49.5	48.9	50.8	49.9	49.4	48.2	46.5	41.9	34.7	33.4
Means.	37.29	41.93	44.09	47.05	47.63	48.40	49.55	50.10	49.82	50.89	51.15	51.11	50.42	49.02	48.02	45.04	42.81	36.00	32.98

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	9.91	9.71	9.66	9.67	9.80	10.06	10.77	10.97	10.87	10.80	10.32	9.50	—
	2	9.49	9.03	8.81	8.78	9.06	9.69	10.17	10.51	10.44	10.28	9.88	10	—
	3	9.31	8.94	8.77	8.86	9.18	9.63	10.32	10.52	10.46	10.30	9.84	8.97	—
	4	9.52	8.87	8.65	8.90	9.00	9.12	9.17	9.29	9.76	9.49	9.11	8.47	—
	5	9.38	9.00	8.82	8.86	9.22	9.81	10.27	10.20	10.54	10.10	9.51	9.41	—
	6	9.52	9.27	8.92	9.10	9.37	9.95	10.17	10.70	11.00	10.70	10.16	9.34	—
	7	9.02	8.80	8.71	8.83	9.19	9.61	10.46	10.73	10.50	10.24	10.03	9.28	—
	8	9.03	8.85	8.61	8.87	9.07	9.47	10.18	10.67	10.52	10.20	9.81	9.08	—
	9	9.12	8.87	8.63	8.63	8.88	9.18	9.65	9.87	10.06	9.73	9.13	8.41	—
	10	8.50	8.22	8.06	8.15	8.56	8.92	9.52	9.95	10.08	9.70	9.01	8.14	—
	11	8.76	8.07	7.84	7.95	8.01	8.72	9.22	9.84	10.18	9.81	9.15	8.19	—
	12	8.11	7.68	7.36	7.61	7.82	8.16	9.11	9.36	9.42	9.06	8.69	7.67	—
	13	7.29	6.79	6.71	6.92	7.07	7.70	8.42	8.77	9.01	8.68	8.26	7.46	—
	14	7.25	6.93	6.76	6.70	7.13	7.38	7.87	8.22	8.44	8.14	7.68	6.99	—
	15	8.20	7.52	7.22	7.23	7.36	7.82	8.35	8.86	8.75	8.48	8.25	7.52	—
	16	8.60	8.16	7.96	7.97	8.44	8.84	9.65	10.13	10.11	9.98	9.62	9.09	—
	17	8.98	8.81	8.68	8.72	8.66	9.26	9.62	9.82	10.12	9.97	9.50	8.80	—
	18	9.03	8.75	8.47	8.45	8.87	9.29	10.10	10.54	10.63	10.35	9.76	9.19	—
	19	9.26	8.90	8.65	8.71	9.17	9.50	9.96	10.21	9.99	9.67	9.01	8.32	—
	20	9.13	8.72	8.72	8.72	8.97	9.55	9.63	10.07	10.00	9.71	9.24	8.59	—
	21	8.68	8.35	8.25	8.26	8.57	8.92	9.23	9.48	9.62	9.43	8.80	7.95	—
	22	8.31	8.03	7.92	8.13	8.41	8.85	9.21	9.30	9.34	9.00	8.51	7.98	—
	23	9.27	8.91	8.73	8.80	8.92	9.41	10.16	10.81	10.56	10.43	10.00	9.40	—
	24	9.52	9.23	9.26	9.11	9.57	9.57	9.49	9.93	10.03	9.70	9.03	8.34	—
	25	9.60	9.10	9.31	9.31	9.27	9.67	10.26	10.86	10.78	10.57	10.16	9.95	—
	26	9.82	9.45	9.22	9.41	9.53	10.06	10.63	10.91	11.17	10.93	10.61	10.09	—
	27	10.13	9.80	9.56	9.69	10.05	10.61	11.15	11.85	12.04	11.61	10.92	9.71	—
	28	9.35	8.87	8.38	8.32	8.75	9.38	9.97	10.20	10.28	9.90	9.34	8.48	—
	29	9.88	9.48	9.28	8.98	9.33	9.88	10.16	10.58	10.84	10.55	9.93	9.11	—
	30	9.38	8.99	8.84	8.74	9.01	9.69	10.04	10.72	10.93	10.77	10.37	10.19	—
Hourly Means.		9.05	8.67	8.49	8.55	8.81	9.26	9.76	10.13	10.22	9.94	9.45	8.76	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	8.72	7.99	7.69	7.79	7.97	8.68	8.84	9.53	10.10	10.35	10.25	9.93	9.58
	2	8.43	7.77	7.26	7.39	7.49	8.14	9.04	9.70	10.29	10.75	10.52	9.99	9.25
	3	8.24	7.67	7.23	7.16	7.92	8.39	9.09	9.73	10.25	10.54	10.18	9.99	9.23
	4	7.83	7.18	6.77	7.24	8.07	8.53	9.32	9.78	10.09	10.14	10.14	9.82	8.93
	5	8.14	7.89	7.19	7.42	7.85	8.43	9.38	9.78	10.15	10.27	10.15	9.61	9.22
	6	8.58	8.25	8.32	8.77	8.87	8.93	9.16	9.36	9.55	9.77	9.65	9.35	9.45
	7	8.58	8.50	7.69	7.75	8.20	8.76	9.16	9.68	9.85	9.82	9.77	9.56	9.28
	8	8.37	7.68	7.00	7.37	8.12	9.01	9.21	9.48	9.90	10.02	9.82	9.46	9.16
	9	7.87	7.30	7.08	6.88	7.35	7.99	8.58	8.92	9.95	9.80	9.49	9.12	8.77
	10	8.04	6.89	6.20	6.46	6.90	7.59	8.69	9.09	9.81	9.86	9.43	9.06	8.53
	11	7.49	7.02	6.63	6.39	6.74	7.50	7.88	8.40	8.79	9.07	8.94	8.57	8.30
	12	7.43	6.65	6.08	6.02	6.53	7.23	7.68	8.35	8.68	8.76	8.66	8.12	7.93
	13	6.50	5.93	5.62	5.56	5.90	6.21	6.58	7.21	7.54	7.59	7.79	7.68	7.22
	14	6.30	5.79	5.45	5.50	5.93	6.86	7.34	8.14	8.61	8.90	8.97	8.63	7.33
	15	6.64	6.18	5.72	5.92	6.39	6.78	7.48	8.35	8.79	8.90	9.08	9.07	7.70
	16	8.38	7.72	7.32	7.16	7.29	7.67	7.99	8.88	9.42	9.55	9.49	9.09	8.69
	17	7.94	7.59	7.11	7.30	7.73	8.38	9.13	9.51	9.95	9.96	10.03	9.60	8.97
	18	8.39	7.94	7.57	7.64	8.13	8.62	9.20	9.58	10.18	10.21	10.24	9.58	9.20
	19	7.72	7.26	7.10	7.52	7.89	8.75	8.84	9.14	9.35	9.35	9.37	9.20	8.87
	20	7.76	7.28	6.76	7.27	8.51	8.55	8.74	9.14	9.42	9.48	9.26	8.88	8.84
	21	7.14	6.56	6.14	6.04	6.48	7.00	7.39	7.80	8.24	8.46	8.73	8.45	8.08
	22	7.43	6.70	6.18	5.82	6.41	7.28	8.19	9.00	10.05	9.98	10.00	9.72	8.32
	23	8.62	7.88	7.35	7.18	7.44	7.90	8.55	9.28	9.66	10.09	10.29	9.78	9.14
	24	7.48	6.52	6.37	6.54	7.09	8.23	8.58	9.35	9.86	10.15	10.43	10.16	8.90
	25	9.13	8.31	7.76	7.76	8.44	8.89	9.39	9.76	10.12	10.33	10.32	10.15	9.55
	26	9.32	9.23	9.02	9.09	8.47	9.51	9.93	10.51	10.99	10.96	10.93	10.65	10.02
	27	8.91	8.47	7.34	7.04	7.35	8.38	9.33	10.16	10.42	10.42	10.10	10.06	9.78
	28	7.46	6.82	6.68	7.60	8.51	8.72	9.62	9.90	10.63	10.52	10.38	10.33	9.10
	29	8.50	7.99	8.00	8.04	8.20	8.36	8.98	9.57	10.03	10.13	10.35	9.81	9.42
	30	9.49	8.79	8.23	7.94	7.93	8.35	9.12	9.93	10.26	10.38	10.36	10.06	9.52
Hourly Means.		8.03	7.45	7.03	7.12	7.54	8.12	8.68	9.23	9.70	9.82	9.77	9.45	8.88

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	78.0	78.0	77.8	77.0	76.6	76.2	78.1	82.0	84.2	85.4	86.9	87.0	—
	2	76.7	77.3	76.0	75 3	75.0	75.5	78.7	82.7	85.2	86.0	88.3	88.7	—
	3	79.0	77.5	77.4	76.9	76.6	76.6	78.5	82.4	84.4	87.2	88.7	90.3	—
	4	77.0	76.8	76.2	76.2	76.1	75.9	79.0	83.2	86 2	87.6	88.6	88.6	—
	5	76.8	76.2	75.8	75.3	75.0	75.2	79.0	83.0	86.0	87.0	88.0	88.2	—
	6	76.5	76.3	75.9	75.1	74.7	75.0	75.2	78.7	81.4	84.0	85.6	87.8	—
	7	75 0	74.6	74.2	73.9	73.6	73.4	75.5	79 1	82.6	85.0	86.0	86.0	—
	8	75.4	75.0	74.7	74.5	74.7	75.2	76.4	79.9	83.3	86.5	85.2	86.1	—
	9	75.0	74.6	74.4	74.8	75.0	74.6	77.0	80.2	84.0	86.4	86.6	88.3	—
	10	76 8	76.6	76.0	75.7	75.1	75.1	76.0	80.1	84.1	85.5	87.6	89.0	—
	11	76.8	76.8	76.6	76.4	76.2	76.0	77.0	80.5	82.9	83.7	85 5	86.1	—
	12	78.2	77.5	76.2	75.7	75.6	76.2	76.9	78.9	82.3	84.6	86.5	88.0	—
	13	76.2	76.0	75.4	75.2	74 8	74.5	75.5	78.3	81.4	84.0	87.0	88.2	—
	14	77.4	76.7	76.0	75 6	75.0	74.8	76.6	80.0	83.0	85.0	87.1	88.9	—
	15	78.0	77.3	77.0	77.0	76.6	76.2	76.7	79.0	82 3	85.6	88.1	89.3	—
	16	77.0	77.2	76.7	76.1	76.3	76.9	77.0	78.5	81.3	83.6	86.0	87.7	—
	17	77.6	76.8	76.0	75.9	75.4	75.7	77.1	80.2	83.6	86.6	88.4	88.0	—
	18	76.6	76.3	76.1	75.9	75.3	75.0	76.6	79.2	84.0	86.0	87.7	88.4	—
	19	77.0	77.0	76.6	76.4	76.1	75.8	76.7	79.0	83.0	86.1	88.7	89.8	—
	20	76.0	75.8	75.4	75.0	74.8	74.8	78.0	82.0	84.6	87.1	87.5	89.5	—
	21	76.1	76.2	76.0	76.0	76.0	75.7	76.1	79.4	82.5	84.6	87.0	89.0	—
	22	78.4	77.4	76.7	76.4	75.9	75.7	77.3	79.8	82.4	85.0	87.0	88.6	—
	23	78.2	77.8	76.5	76.3	76.3	76.0	76.9	79.6	83.6	85.6	86.6	87.3	—
	24	77.5	77.0	76.7	76.0	75.9	75.5	78.0	81.5	84.3	86.1	87.5	88.1	—
	25	77.0	77.0	76.4	75.8	75.1	75.0	76.8	78.4	83.4	86 3	85.7	85.3	—
	26	76.2	75.4	74.8	74.4	73.9	74.1	75.6	80.5	82.5	83.9	85.4	87.0	—
	27	77.2	76.9	76.7	76.5	76.5	76.5	76.9	77.0	77.8	78.2	79.0	80.1	—
	28	77.7	77.0	76.4	75.7	75.0	74.4	75.6	78.1	81.6	84.2	86.4	89.1	—
	29	74.9	74.9	74.9	74.9	74.9	74.6	75.3	76.8	78.8	80.7	82.6	83.0	—
	30	74.3	74.3	74.3	74.3	74.0	74.0	74.4	75.8	77.0	78.2	79.7	82 0	—
Hourly Means.		76.82	76.47	75.99	75.67	75.40	75.34	76.81	79.79	82.79	84.86	86.36	87.45	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	88.0	87.8	88.0	86.0	85.0	84.5	82.9	82.1	81.0	79.5	78.1	77.3	81.98
	2	87.4	88.2	86.1	86.1	85.1	84.1	83.9	82.2	81.6	81.2	80.0	79.7	82.13
	3	89.2	89.2	87.8	87.0	84 8	84.0	84.2	81.6	80.6	79.6	78.6	78.0	82.50
	4	88.3	88.8	88.0	86 5	85.4	83 7	81.4	80.2	79.4	78.4	77.8	77.1	81.93
	5	87.5	86.9	85.1	84.5	84.1	79.4	77.1	76.5	76.6	76.6	76 4	76.2	80.52
	6	87.0	76.0	78.5	78.5	78.2	78.1	76.6	76.0	75.8	75.8	75.6	75.1	78.23
	7	85.9	83.8	83.0	84.3	84.0	82.0	80.0	79.1	78.1	77.0	76.3	75.9	79.51
	8	88.4	87.2	87.2	86.0	84.2	81.2	77.0	76.0	76.1	76.1	75.5	75.2	79.88
	9	88.4	86.4	86.0	85.4	84.4	83.5	83.0	81.8	80.0	78.8	78.2	77.2	81.00
	10	79.0	81.3	82.3	83.1	83.6	82.8	79.4	78.0	77.2	76.7	76.9	76.8	79.78
	11	87.0	86.4	85.5	84.9	84.6	83.0	81.4	80.3	79.3	79.1	78 6	78.6	80.97
	12	81.0	79.0	81.9	82.7	80.9	79.5	78.4	78 2	77.1	76.6	76 6	76.6	79.38
	13	88.8	87.2	86.4	85.0	83.7	82.9	81.9	80.8	80.0	79.3	79 0	78.5	80.83
	14	90.9	88.6	86.7	86.0	85.5	81.4	80.2	79.0	78.5	78.7	78 1	77.7	81.14
	15	88.6	88.2	87.7	84.0	83.0	82.0	80.6	79.9	79.0	77.6	77.4	77.4	81.19
	16	85.8	86.3	86.1	85.4	84.3	83.1	82.5	81.5	80.8	79.9	78.7	78.4	81.13
	17	89.0	88.0	86 3	85.7	84.8	84.0	82.8	81.0	79.5	78.2	77.9	77.0	81.48
	18	88.2	87.0	86.7	85.0	84.4	83.8	82.6	81.3	80.3	79.2	78.1	77.3	81.29
	19	89.2	87.0	85.2	85.1	83.3	81.6	79.3	78.5	78.1	77.3	77.0	76.5	80.85
	20	89.3	88.8	88.2	87.2	77.6	76.6	76.8	76.6	76.8	76.5	76.4	76.0	80.30
	21	90.1	89.0	89.0	87.8	86.0	85.0	82.9	81.4	80.4	80.1	79.7	78.7	81.86
	22	87.9	88.5	87.2	86.7	86.3	84.7	83.0	82.0	81.2	80.3	79.5	79.0	81.95
	23	86.8	86.2	85.2	84.5	84.0	83.0	82.0	80.5	80.1	79.3	79.0	78 0	81.22
	24	88.6	88.1	87.6	85.6	85.0	83.0	80.3	79 3	78.8	78 4	78.4	78.0	81 47
	25	85.6	86.4	85.2	84.7	83.5	81.3	80.3	78.5	78.2	77.8	77.3	77.0	80.33
	26	87.2	87.2	81.0	82.0	83.7	80.0	78.7	78 5	78.3	77.7	77.5	77.3	79.70
	27	81.3	82.7	84.6	85.7	82.6	82.0	81.2	80.9	80.8	80.2	79.0	78 4	79.53
	28	87.9	87.0	86.0	84.0	74.5	74.1	74.2	73.6	73.6	73.6	74.1	74.3	78.67
	29	83.6	84.5	82.3	77.4	76.4	76.4	76.0	75.8	75.2	75.2	75.2	74.8	77.46
	30	82.2	84.0	83.2	83.0	82.8	81.5	80.5	79.8	79.6	78.8	78.2	77.4	78 47
Hourly Means.		86.94	86.19	85.47	84.66	83.19	81.74	80.37	79.36	78.73	78.12	77.64	77.18	80.56

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	806	806	813	835	827	833	837	735	667	653	602	597	—
	2	834	812	849	864	855	824	747	654	605	604	553	561	—
	3	794	805	892	916	924	891	814	722	630	579	500	550	—
	4	812	804	817	810	817	825	778	677	570	558	536	586	—
	5	851	866	857	864	855	840	777	682	580	578	576	577	—
	6	924	940	906	956	956	947	931	847	785	694	672	613	—
	7	939	939	939	947	938	938	881	809	703	646	649	662	—
	8	931	930	939	930	939	922	882	788	686	608	622	588	—
	9	897	879	870	854	855	871	811	738	661	608	596	591	—
	10	891	891	899	898	905	897	899	788	636	597	565	582	—
	11	858	842	850	841	841	841	819	746	691	693	635	606	—
	12	813	843	865	898	914	899	858	778	694	657	613	542	—
	13	865	856	889	922	930	947	923	830	720	635	567	561	—
	14	867	866	864	872	880	888	850	759	691	626	604	558	—
	15	806	804	811	818	850	873	866	801	661	593	515	504	—
	16	883	859	866	865	865	795	773	761	678	608	570	537	—
	17	867	866	841	816	823	792	773	687	613	524	513	578	—
	18	857	857	841	848	847	888	850	807	636	580	552	544	—
	19	851	858	866	874	899	915	891	823	685	607	512	522	—
	20	898	898	905	914	913	913	837	729	651	575	565	511	—
	21	940	940	940	940	940	948	924	817	723	644	611	600	—
	22	861	875	891	890	898	898	867	803	738	653	635	616	—
	23	829	812	849	856	865	872	866	809	627	589	582	574	—
	24	852	858	842	848	856	889	821	720	631	588	570	579	—
	25	874	866	873	905	930	930	916	877	642	615	697	650	—
	26	906	914	922	930	929	912	833	746	670	615	584	597	—
	27	907	932	924	940	948	940	924	924	900	861	816	796	—
	28	860	875	899	889	888	888	856	768	700	642	560	502	—
	29	947	956	956	956	956	956	957	900	831	783	732	733	—
	30	947	956	956	956	947	938	956	915	907	860	823	755	—
Hourly Means.		872	874	881	888	893	890	857	781	687	636	604	592	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	548	547	554	613	653	659	725	772	783	802	821	820	721
	2	586	566	593	593	614	629	674	695	728	727	774	781	697
	3	525	520	571	585	657	687	688	736	775	781	800	798	714
	4	551	564	571	601	628	687	728	767	780	815	821	844	706
	5	600	658	659	695	728	893	899	932	932	932	924	923	778
	6	708	905	925	933	925	917	874	906	923	923	931	947	875
	7	661	782	766	715	700	771	825	847	845	883	906	915	817
	8	575	575	593	630	687	725	866	915	889	898	898	905	788
	9	585	637	655	639	694	733	752	784	810	853	868	891	756
	10	852	872	770	765	767	793	808	867	900	882	874	858	811
	11	628	651	673	651	676	752	783	841	863	862	861	814	763
	12	732	846	777	745	805	801	837	806	834	857	850	857	797
	13	558	598	607	638	699	738	807	819	841	855	793	837	768
	14	474	562	644	668	653	776	818	831	846	853	845	820	755
	15	551	561	582	634	663	714	767	787	815	892	851	843	732
	16	623	582	593	628	655	691	702	776	782	802	846	853	733
	17	582	565	618	609	624	640	661	760	816	845	860	858	714
	18	590	633	613	665	656	706	702	761	781	808	821	843	737
	19	582	621	671	671	704	763	794	807	806	835	834	857	760
	20	487	500	542	549	875	890	924	932	932	940	940	940	782
	21	541	576	553	601	689	752	724	806	811	848	848	869	774
	22	606	597	634	613	599	688	670	728	733	788	802	801	745
	23	577	612	633	682	706	738	771	826	833	863	847	861	753
	24	569	578	612	692	697	702	781	808	799	829	814	820	740
	25	672	656	665	682	725	762	766	853	876	875	866	891	794
	26	574	622	776	785	754	870	901	861	852	867	892	891	800
	27	770	745	657	591	722	750	806	805	760	766	793	862	827
	28	571	584	605	666	870	912	930	938	938	938	947	947	799
	29	734	702	771	899	899	906	923	931	939	947	947	956	884
	30	722	694	747	739	746	770	842	871	863	885	837	796	851
Hourly Means		611	637	654	673	716	761	792	826	836	855	857	863	772

DIRECTION OF THE WIND.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12
NOVEMBER.	1	S	S	S	S	S	S	S	S	E	E	N	N
	2	N	N	N	N	N	N	N	S	S S W	S S E	N E	N
	3	N E	N E	E N E	C	C	E N E	E	S S E	S E	E	E	N
	4	N	N	N	C	C	N	N	N	N	E	N	N
	5	C	C	C	N W	N W	N W	W	S W	S W	E	N N W	N
	6	C	S W	S	S	S	S	S	S	S S W	S S W	S S W	N W
	7	C	C	C	C	C	C	S S W	S S W	S S W	E	E	N
	8	C	C	C	C	C	C	N W	S W	S	S	N E	N N E
	9	C	S W	S W	S W	S W	S W	S W	S W	S E	S	E N E	N N W
	10	N	C	C	C	C	N	N	N	S W	S W	S W	W N W
	11	S W	S W	S W	S W	S W	S W	S W	S W	S W	S W	N W	N
	12	N	N	C	C	C	N	N	W S W	S W	S S W	S W	W
	13	E	C	C	C	C	E	E	E	S E	S S E	S S E	N E
	14	W S W	W S W	W S W	W S W	W S W	W S W	W S W	S W	S S W	W S W	W	N W
	15	S	S	S	S	S	S	S	S	S S W	W S W	S	S
	16	C	C	S	S	S	S S W	S S W	S S W	S	S	S	S S E
	17	C	E	E	E	E	S	S	S	S S W	S W	S	N
	18	N	C	C	C	N	N	N	N	S W	S	W	W
	19	C	C	C	C	C	C	W	W	W	W	E	N E
	20	C	C	C	C	C	S	S	S	S	S	N	N
	21	C	C	C	C	C	S W	S W	S W	S W	S W	W S W	N N E
	22	C	N	C	C	C	N	N	N	N	N N W	N	N
	23	S W	S W	S W	S W	C	C	S W	S W	W	N N W	N W	N N W
	24	C	C	N	N	C	N	N	N	N	N W	N	N
	25	N W	N W	N W	N W	N W	N W	N W	N W	W	N E	N N E	N N W
	26	C	S	S	C	C	C	S	S	S	S	W N W	N E
	27	C	C	C	C	C	N E	C	C	N E	E	E	E
	28	W	C	C	C	C	C	W	W	S W	S	S	N
	29	C	C	C	C	C	C	S S E	S S E	S S E	S S E	S S E	N E
	30	C	C	C	C	C	C	C	C	S W	S W	S W	S W

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12
NOVEMBER.	1	N	N	N E	N E	N N E	N	N	N	N	N	N	N
	2	N E	N E	N N E	N N E	N E	N E	N E	C	C	C	C	C
	3	N	N N E	N N E	N N E	N	N	C	N	N	N	N	N
	4	N	N	N	N	N W	N W	N W	N W	C	C	C	C
	5	N	N	N E	N N E	N N E	N N E	S W	S W	C	C	C	C
	6	N N E	S S W	C	S S W	S S W	S S W	S S W	C	C	C	C	C
	7	N	N E	N N E	N	N N W	N W	C	C	C	C	C	C
	8	N E	N	N N E	N	N	S W	S W	S W	S W	S W	S W	S W
	9	N	N	N N E	N	N	N	C	N	N	N	N	N
	10	S E	S S E	N E	N	N	N	N	W	W	W S W	S W	S W
	11	N	N	N	N	N	N	N	N	C	C	N	N
	12	E	E	E	N E	N E	N E	C	E	E	E	E	E
	13	N	N N E	N	N	N	N	C	N	N	C	W	W S W
	14	S W	N	N	N	N W	S S W	S S W	S	S	S	S	S
	15	N	N	N E	W N W	N W	N W	S W	S W	S S W	S	S	C
	16	N	N	N	N N E	N N E	N E	N E	E	E	E	E	E
	17	N	N	N	N	N	N	N	N	N	N	N	N
	18	N	N N E	N N E	N	N	N	N	N	N	W	W	W
	19	N	N E	N	N	N W	S W	S	S	S	C	C	C
	20	N N E	N	N	N	S W	S W	S W	S W	C	C	C	S W
	21	N N E	N	N N E	N	N	N	C	C	C	C	N	N
	22	N	N	N	N	N	S W	S W	S W	S W	C	S W	C
	23	N	N	N	N	N	N	C	C	C	C	C	C
	24	N	N	N E	N	N N W	N W	N W	N W	N W	C	N W	N W
	25	N	N N E	N N E	N	N W	S S W	S	S	C	S	S	C
	26	N	N	N W	N W	N W	N W	N W	N W	N W	N W	C	C
	27	E	E	E N E	N	N	C	C	N	W	C	W	W
	28	N	N N W	N	N	S	S S E	S S E	S S E	C	C	C	C
	29	N E	N	S W	S W	S W	S W	C	C	C	C	C	C
	30	S W	S W	S W	N	N	C	C	C	C	C	N	S W

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	4.0	2.4	0.8	0.8	0.8	0.8	3.2	3.2	4.8	6.4	10.5	13.7	—
	2	1.6	3.2	0.8	0.8	3.2	2.4	8.0	7.2	4.0	4.0	4.8	16.1	—
	3	0.8	4.0	3.2	0.0	0.0	3.2	5.6	4.0	4.0	3.2	4.0	8.9	—
	4	1.6	1.6	1.6	0.0	0.0	1.6	2.4	3.2	4.8	4.0	9.7	19.3	—
	5	0.0	0.0	0.0	0.8	0.8	1.6	5.6	4.8	4.0	8.9	9.7	12.9	—
	6	0.0	2.4	5.6	1.6	2.4	0.8	1.6	4.8	3.2	4.0	4.8	8.0	—
	7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	4.8	3.2	9.7	—
	8	0.0	0.0	0.0	0.0	0.0	0.0	3.2	4.0	4.8	5.6	7.2	8.0	—
	9	0.0	0.8	4.0	6.4	5.6	3.2	4.8	4.0	5.6	7.2	5.6	8.0	—
	10	0.8	0.0	0.0	0.0	0.0	1.6	3.2	4.8	5.6	4.8	5.6	8.0	—
	11	4.0	4.0	1.6	3.2	1.6	1.6	3.2	6.4	5.6	4.8	4.8	6.4	—
	12	1.6	0.8	0.0	0.0	0.0	1.6	3.2	6.4	8.0	6.4	4.8	7.2	—
	13	1.6	0.0	0.0	0.0	0.0	0.8	1.6	3.2	4.8	4.8	3.2	6.4	—
	14	0.8	1.6	2.4	1.6	1.6	1.6	4.0	8.0	7.2	6.4	4.8	4.8	—
	15	0.8	3.2	1.6	1.6	0.8	1.6	1.6	4.8	7.2	9.7	7.2	6.4	—
	16	0.0	0.0	1.6	0.8	3.2	8.9	4.8	5.6	9.7	5.6	8.0	8.0	—
	17	0.0	2.4	1.6	1.6	4.8	4.8	4.0	4.0	4.8	7.2	6.4	8.0	—
	18	1.6	0.0	0.0	0.0	0.8	1.6	4.0	4.8	6.4	6.4	6.4	5.6	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	1.6	3.2	2.4	4.8	4.8	7.2	—
	20	0.0	0.0	0.0	0.0	0.0	1.6	4.0	4.0	4.8	4.8	5.6	12.9	—
	21	0.0	0.0	0.0	0.0	0.0	0.8	3.2	7.2	4.0	4.0	5.6	8.0	—
	22	0.0	0.8	0.0	0.0	0.0	1.6	2.4	4.8	4.8	4.0	6.4	9.7	—
	23	1.6	1.6	0.8	0.8	0.0	0.0	1.6	4.8	5.6	6.4	4.8	6.4	—
	24	0.0	0.0	0.8	0.8	0.0	1.6	4.8	3.2	3.2	4.0	7.2	9.7	—
	25	0.8	1.6	2.4	2.4	0.8	0.8	0.8	3.2	3.2	4.8	12.1	12.9	—
	26	0.0	1.6	0.8	0.0	0.0	0.0	3.2	4.8	4.8	3.2	3.2	6.4	—
	27	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	4.8	7.2	2.4	1.6	—
	28	0.8	0.0	0.0	0.0	0.0	0.0	3.2	4.8	6.4	6.4	4.8	9.7	—
	29	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.8	3.2	3.2	3.2	6.4	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	—
Hourly Means.		0.75	1.07	0.99	0.77	0.88	1.50	3.04	4.21	4.86	5.29	5.75	8.65	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	16.1	16.9	17.7	15.3	11.3	4.0	1.6	0.8	1.6	0.8	1.6	0.8	5.83
	2	18.5	18.5	16.1	13.7	12.1	7.2	0.8	0.0	0.0	0.0	0.0	0.0	5.96
	3	13.7	20.1	20.9	14.5	8.9	3.2	0.0	3.2	4.0	3.2	1.6	1.6	5.66
	4	17.7	15.3	15.3	12.1	4.0	1.6	2.4	0.8	0.0	0.0	0.0	0.0	4.96
	5	14.5	14.5	11.3	8.9	4.0	4.8	1.6	1.6	0.0	0.0	0.0	0.0	4.60
	6	14.5	4.8	0.0	3.2	3.2	2.4	2.4	0.0	0.0	0.0	0.0	0.0	2.90
	7	12.1	8.0	7.2	5.6	4.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.61
	8	15.3	15.3	16.1	11.3	5.6	8.0	7.2	4.8	1.6	0.8	0.8	1.6	5.05
	9	11.3	11.3	12.9	8.9	9.7	2.4	0.0	1.6	3.2	1.6	0.8	2.4	5.05
	10	11.3	3.2	8.0	8.9	8.0	2.4	6.4	3.2	3.2	5.6	4.0	6.4	4.38
	11	8.0	10.5	8.0	7.2	4.8	1.6	1.6	0.8	0.0	0.0	1.6	2.4	3.90
	12	14.5	1.6	3.2	3.2	1.6	1.6	0.0	1.6	0.8	0.8	3.2	0.8	3.04
	13	10.5	14.5	11.3	10.5	8.0	3.2	0.0	1.6	0.8	0.0	4.8	1.6	3.88
	14	8.0	12.9	12.9	11.3	9.7	4.8	3.2	6.4	3.2	0.8	3.2	4.8	5.25
	15	11.3	8.0	14.5	11.3	3.2	4.0	4.8	6.4	4.8	1.6	3.2	0.0	4.98
	16	12.9	13.7	14.5	10.5	9.7	8.0	4.8	8.0	5.6	1.6	2.4	1.6	6.23
	17	14.5	16.1	17.7	16.1	10.5	5.6	4.0	1.6	0.8	1.6	1.6	2.4	5.92
	18	12.9	13.7	12.9	11.3	4.8	1.6	0.8	1.6	4.8	4.8	0.8	0.8	4.52
	19	11.3	12.9	12.9	8.9	4.8	7.2	6.4	4.8	0.8	0.0	0.0	0.0	3.92
	20	14.5	16.1	12.9	11.3	9.7	4.0	3.2	2.4	0.0	0.0	0.0	1.6	4.73
	21	12.1	12.1	10.5	9.7	7.2	1.6	0.0	0.0	0.0	0.0	1.6	1.6	3.72
	22	13.7	12.9	12.1	9.7	5.6	5.6	3.2	2.4	1.6	0.0	0.8	0.0	4.25
	23	10.5	12.1	9.7	6.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	3.25
	24	13.7	12.9	13.7	14.5	8.0	4.0	3.2	2.4	0.8	0.0	1.6	0.8	4.62
	25	14.5	11.3	12.9	9.7	4.0	4.8	1.6	0.8	0.0	0.8	1.6	0.0	4.49
	26	8.0	12.1	9.7	1.6	1.6	1.6	1.6	6.4	4.8	1.6	0.0	0.0	3.21
	27	3.2	3.2	4.0	4.8	1.6	0.0	0.0	2.4	1.6	0.0	2.4	2.4	1.77
	28	15.3	15.3	14.5	12.9	9.7	6.4	4.8	0.8	0.0	0.0	0.0	0.0	4.83
	29	6.4	4.8	6.4	4.8	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.87
	30	2.4	1.6	4.0	3.2	2.4	0.0	0.0	0.0	0.0	0.0	1.6	5.6	1.17
Hourly Means.		12.11	11.54	11.46	9.38	6.11	3.55	2.19	2.21	1.47	0.85	1.31	1.31	4.22

CLOUDS.

CLEAR = O — OVERCAST = 10.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	9	10	10	9	9	6	4	1	1	9	6	5	—
	2	3	3	1	1	2	6	3	2	4	5	7	4	—
	3	4	2	10	7	10	5	4	2	3	4	5	4	—
	4	0	0	0	0	2	1	2	2	1	7	5	2	—
	5	2	1	1	1	4	1	1	2	3	5	6	7	—
	6	9	10	10	10	10	10	7	5	6	6	8	9	—
	7	2	1	1	2	7	5	7	2	2	5	7	7	—
	8	2	2	2	6	9	8	7	3	2	5	6	7	—
	9	2	1	2	2	3	2	5	5	3	3	8	3	—
	10	2	4	2	0	7	6	7	6	5	7	7	8	—
	11	10	10	10	9	10	8	1	0	4	10	9	6	—
	12	9	4	2	4	9	9	10	9	7	8	8	10	—
	13	9	9	4	4	9	8	9	7	8	8	6	6	—
	14	9	9	8	7	8	2	3	5	5	6	9	5	—
	15	10	10	10	10	10	10	8	8	3	2	3	7	—
	16	10	9	10	10	10	10	10	6	6	7	7	7	—
	17	4	2	2	2	3	3	2	0	0	1	4	4	—
	18	2	2	4	5	7	10	10	10	8	6	9	9	—
	19	3	9	8	9	9	7	3	1	1	3	6	3	—
	20	7	10	10	10	10	6	3	2	1	4	4	6	—
	21	10	10	10	10	10	8	6	5	3	4	6	4	—
	22	3	2	1	2	3	4	2	1	1	3	3	4	—
	23	5	5	4	7	8	9	9	7	6	9	9	9	—
	24	2	4	4	3	4	4	2	1	2	6	8	2	—
	25	7	10	10	10	10	7	9	8	7	7	8	8	—
	26	2	2	3	5	4	4	6	5	6	8	9	9	—
	27	10	10	10	10	10	10	10	10	10	10	10	10	—
	28	2	2	3	3	5	5	7	4	5	7	4	6	—
	29	10	10	10	10	10	8	9	9	7	9	8	10	—
	30	2	8	9	10	10	10	10	10	10	10	10	10	—
Hourly Means.		5.4	5.7	5.7	5.9	7.4	6.4	5.9	4.6	4.3	6.1	6.8	6.4	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	4	2	2	4	4	8	3	3	2	2	3	1	4.9
	2	4	1	4	6	4	7	4	5	6	3	1	1	3.6
	3	2	3	3	4	8	10	10	10	1	0	1	1	4.7
	4	3	6	4	10	9	4	2	2	1	0	0	2	2.7
	5	5	9	10	10	10	10	10	10	6	7	6	4	5.5
	6	8	9	9	9	9	9	9	7	7	5	4	2	7.8
	7	10	10	6	5	7	7	1	1	2	2	1	2	4.3
	8	4	4	3	4	8	10	9	6	10	6	4	2	5.4
	9	5	9	8	9	10	9	9	10	6	4	4	5	5.3
	10	10	10	5	6	9	10	10	10	10	9	10	8	7.0
	11	6	7	3	3	4	3	3	3	6	9	9	10	6.4
	12	10	10	10	10	6	8	7	8	9	9	9	9	8.1
	13	5	5	7	7	9	7	10	7	5	9	10	10	7.4
	14	8	9	9	9	10	10	10	10	10	10	10	10	8.0
	15	9	7	9	9	10	10	10	10	10	9	10	10	8.5
	16	3	6	6	7	8	8	5	8	5	5	6	6	7.3
	17	6	4	2	2	6	7	7	3	4	2	1	1	3.0
	18	9	8	7	7	10	8	10	6	10	10	7	6	7.5
	19	8	9	9	10	10	10	10	10	9	9	10	9	7.3
	20	2	2	3	10	10	10	10	8	8	5	7	8	6.5
	21	4	3	2	3	3	3	2	1	1	1	8	6	5.1
	22	7	7	9	7	10	10	6	7	8	8	9	8	5.2
	23	10	10	10	9	7	4	1	2	1	5	3	4	6.4
	24	3	3	4	6	7	7	4	3	4	5	7	9	4.3
	25	5	4	3	6	7	8	10	5	3	3	2	3	6.7
	26	6	3	10	7	8	9	10	10	10	10	10	10	6.9
	27	10	10	6	5	10	10	9	9	9	9	7	2	9.0
	28	5	5	9	10	10	10	10	10	10	10	10	10	6.8
	29	10	9	10	9	9	9	4	2	7	9	8	6	8.4
	30	9	9	9	10	10	9	8	9	9	5	3	3	8.4
Hourly Means.		6.3	6.4	6.4	7.1	8.1	8.1	7.1	6.5	6.3	6.0	6.0	5.6	6.27

DURATION OF SUNSHINE.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
NOVEMBER. 1	7	4	6	2	6	8	8	8	9	9	9	9	9	9	9	9	7.6
2	10	8	9	5	6	4	9	6	10	9	9	9	10	9	7	5	7.8
3	10	10	9	8	6	7	6	3	8	9	9	9	10	10	10	10	8.4
4	10	10	10	6	1	3	7	7	9	10	10	5	10	10	10	2	7.5
5	10	9	8	4	5	2	3	5	8	3	7	1	0	0	0	0	4.1
6	6	3	8	3	8	4	8	7	8	4	0	0	0	0	0	0	3.7
7	6	7	10	8	6	4	4	4	8	3	6	0	0	0	0	0	4.1
8	9	10	10	9	9	6	9	5	5	10	10	9	9	10	10	5	8.4
9	10	10	10	10	9	4	7	10	6	10	6	0	0	2	2	1	6.1
10	8	8	10	6	6	6	4	6	3	0	0	0	0	0	0	0	3.6
11	10	10	7	3	0	3	2	2	3	4	9	2	0	4	8	7	4.6
12	6	9	9	9	8	6	4	5	1	0	0	0	0	0	0	0	3.6
13	7	9	8	8	10	10	6	9	3	8	9	9	10	9	7	4	7.9
14	5	8	7	6	7	5	4	6	7	9	2	3	1	1	0	0	4.4
15	3	4	10	10	10	8	10	6	7	6	3	3	4	9	4	1	6.1
16	8	6	6	7	4	4	5	9	9	4	9	8	7	7	7	7	6.7
17	10	10	10	10	10	10	8	3	9	10	10	10	10	10	10	10	9.4
18	0	8	5	2	9	7	0	2	3	6	3	6	9	9	8	4	5.1
19	9	9	9	10	10	9	9	9	7	6	5	1	0	0	0	0	5.8
20	10	10	10	10	10	6	8	7	9	9	10	10	10	10	10	7	9.1
21	10	10	10	10	10	10	10	10	10	10	10	10	10	10	8	10	9.9
22	10	10	10	10	8	8	10	7	10	10	10	8	7	3	4	6	8.2
23	10	10	7	7	6	7	7	3	8	4	5	5	5	2	4	0	5 6
24	10	10	10	9	8	7	5	8	9	9	10	10	10	10	9	7	8.8
25	3	6	7	9	6	5	2	3	7	4	8	9	10	10	10	10	6.8
26	8	6	4	1	0	0	0	2	1	3	6	7	9	1	0	0	3.0
27	0	0	0	0	0	0	0	0	0	0	0	1	3	7	9	10	1.9
28	8	9	10	7	7	9	10	10	10	8	7	8	9	7	1	0	7.5
29	2	1	7	5	4	7	8	3	4	3	1	1	1	0	0	0	2.9
30	0	0	0	0	0	0	0	0	0	3	4	5	1	0	0	0	0.8
Means.	7.2	7.5	7.9	6.5	6.3	5.6	5.8	5.5	6.4	6.1	6.2	5.3	5.5	5.3	4 9	3.8	5.99

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

	Mean Batavia Time.	7h30 A. M.	8	8h30	9	9h30	10	10h30	11	11h30	12	0h30 P. M.	1	1h30	2	2h30	3	3h30	4	4h30
NOVEMBER.	1	35.4	43.4	46.4	47.1	47.4	35.4	40.4	44.4	47.4	47.4	52.7	51.8	51.9	49.6	48.4	46.4	44.5	35.0	33.0
	2	41.1	45.4	43.9	50.4	47.6	41.9	48.4	52.9	54.5	51.5	51.9	52.4	51.4	53.3	47.3	47.4	44.4	40.4	37.4
	3	41.4	45.6	47.2	48.6	52.7	51.1	50.8	52.6	49.6	48.0	49.9	53.6	52.4	50.9	49.5	47.6	45.4	35.2	32.3
	4	42.5	47.4	48.8	50.5	53.1	42.9	43.7	51.4	54.2	53.4	53.1	52.5	53.2	49.1	50.2	48.7	46.6	35.2	30.8
	5	42.2	46.7	48.4	48.3	45.8	43.0	44.9	37.9	43.4	48.4	49.2	47.1	49.4	39.8	35.7	31.3	30.4	29.8	29.7
	6	36.4	44.4	39.8	49.4	44.4	50.3	48.3	40.9	52.4	54.4	54.9	—	—	—	—	25.4	25.6	26.2	24.0
	7	38.0	44.9	46.5	48.9	50.4	47.9	45.0	42.9	48.6	39.8	49.3	42.9	47.7	—	—	39.4	39.9	38.3	30.0
	8	36.1	42.1	46.7	48.9	49.9	50.0	50.0	45.1	54.1	41.6	45.1	52.0	51.4	51.5	50.7	47.8	45.5	33.2	30.4
	9	39.4	45.4	47.4	49.9	50.5	52.4	54.4	40.2	48.4	53.4	42.9	52.6	41.0	36.6	35.8	41.1	40.7	35.6	34.5
	10	39.0	41.2	44.5	48.9	50.9	43.4	50.9	53.7	43.0	54.3	43.0	—	—	28.7	28.6	30.0	31.0	30.9	31.1
	11	40.8	45.5	47.8	49.9	45.4	42.4	44.6	47.9	46.6	45.4	44.4	45.5	43.3	42.9	39.1	43.6	38.6	31.7	30.9
	12	29.3	37.4	44.2	45.5	50.5	44.6	49.4	48.9	47.4	46.6	36.4	—	—	—	—	36.3	36.3	34.4	31.4
	13	34.6	35.5	42.0	46.3	44.8	49.4	51.5	52.6	44.4	51.3	41.9	46.5	40.2	49.9	47.6	47.4	40.0	33.8	31.4
	14	40.9	44.0	44.3	49.1	48.0	51.9	49.3	50.5	49.9	53.8	49.0	54.1	47.9	44.9	[illegible]	41.7	40.3	35.8	33.1
	15	28.4	36.9	39.2	48.6	48.6	50.9	50.9	53.5	56.0	50.9	54.2	44.8	41.9	43.5	47.5	39.3	35.8	34.2	31.9
	16	29.0	36.9	40.4	43.4	44.7	50.5	47.3	50.3	49.4	52.4	51.9	42.2	51.3	[illegible]	44.6	42.6	40.7	35.9	34.1
	17	42.9	46.4	48.0	50.4	50.5	51.9	52.6	56.3	51.9	45.2	51.1	52.4	50.2	54.4	51.3	49.4	46.3	43.5	35.3
	18	30.3	34.0	36.9	54.0	46.9	47.5	54.3	46.6	43.4	45.3	46.8	43.2	46.1	48.7	46.7	47.1	44.6	33.2	31.6
	19	39.0	39.7	43.9	48.9	50.4	52.9	54.2	56.9	54.4	53.7	47.4	47.6	46.2	37.5	35.2	36.4	35.3	33.0	31.0
	20	42.8	46.6	47.8	51.4	50.9	54.9	54.8	48.4	54.4	49.5	53.4	51.1	52.3	49.7	48.4	44.8	40.4	34.3	30.2
	21	39.6	44.9	46.9	50.3	50.4	51.9	52.4	52.4	53.9	51.9	51.4	52.9	51.4	50.4	50.1	48.6	47.4	34.7	33.1
	22	43.2	46.5	48.2	49.4	50.9	44.9	50.9	52.9	54.1	50.3	53.3	48.3	52.3	49.4	46.3	47.3	44.4	38.4	32.8
	23	32.4	43.4	48.1	54.5	46.9	48.4	47.9	50.0	48.3	48.8	51.4	46.9	45.4	46.1	41.4	40.4	37.2	33.8	31.5
	24	41.1	48.1	49.4	51.5	50.1	53.4	54.7	43.9	50.2	52.4	52.9	51.7	51.6	50.8	51.3	47.4	42.3	34.3	31.8
	25	34.3	36.9	42.6	48.4	52.3	47.9	46.6	49.8	45.6	47.3	55.4	47.6	49.8	51.0	49.4	47.9	41.4	32.8	30.4
	26	34.4	46.4	39.4	43.4	47.4	44.4	47.1	45.4	44.9	50.4	48.9	44.9	49.5	50.8	49.5	—	27.0	31.4	31.9
	27	25.4	26.0	27.5	30.0	30.9	31.5	33.9	33.6	34.5	36.2	37.4	37.4	36.3	38.3	34.4	42.3	34.3	34.3	31.3
	28	40.9	36.8	38.7	46.1	50.9	42.6	44.4	53.6	55.4	51.5	54.4	53.4	52.6	47.3	51.4	43.5	33.6	29.6	—
	29	33.4	36.4	36.4	45.1	48.9	42.9	41.4	51.2	50.4	39.4	44.5	42.1	42.4	44.1	41.1	31.7	31.7	31.7	31.6
	30	31.8	31.5	31.7	31.5	31.8	31.9	34.3	36.8	36.9	37.0	37.5	42.0	44.3	46.1	41.4	36.5	37.0	34.4	34.4
Means.		36.87	41.54	43.43	47.62	47.80	46.50	47.98	48.12	48.92	48.38	48.52	48.13	47.90	46.36	44.76	42.04	38.95	34.17	31.82

BAROMETRIC PRESSURE.

BAROMETER AT 0°C = 750 MILLIMETRES + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	9.66	9.21	9.06	8.89	8.92	9.29	10.03	10.28	10.28	10.37	10.09	9.72	—
	2	9.58	9.17	9.03	9.01	9.12	9.59	10.18	10.49	10.77	10.60	10.32	9.89	—
	3	9.71	9.39	9.00	8.62	9.30	9.53	10.63	10.72	11.13	10.91	10.20	9.61	—
	4	9.02	8.72	8.29	8.11	8.78	8.79	9.17	9.57	10.21	9.95	9.36	8.83	—
	5	9.16	8.73	8.43	8.39	8.56	8.82	9.71	10.26	10.42	9.83	9.41	8.93	—
	6	9.16	8.93	8.72	8.68	8.90	9.02	9.74	10.02	10.32	10.59	9.98	9.25	—
	7	9.53	9.22	8.98	8.89	9.09	9.84	10.49	10.91	10.82	10.47	10.06	9.31	—
	8	8.23	8.05	7.92	7.83	8.03	8.36	9.13	9.41	9.65	9.42	8.66	8.44	—
	9	8.92	8.23	7.98	7.83	8.06	8.41	9.16	9.51	9.80	9.49	8.79	8.23	—
	10	8.38	7.86	7.74	7.76	7.87	8.56	9.32	9.57	9.87	9.85	9.39	8.76	—
	11	9.40	8.95	8.70	8.51	8.67	9.02	9.63	10.18	10.42	10.38	10.23	9.37	—
	12	9.85	9.53	9.04	8.99	9.71	10.03	10.81	11.18	11.38	11.33	10.89	10.38	—
	13	9.88	9.66	9.32	9.23	9.72	10.08	10.94	11.79	10.88	11.67	11.21	10.66	—
	14	10.56	9.98	9.54	9.51	9.72	10.28	10.18	10.47	10.66	10.37	10.12	9.77	—
	15	9.76	9.28	8.68	8.60	8.76	9.09	9.83	10.62	10.86	10.65	10.09	9.47	—
	16	9.45	9.22	8.55	8.42	8.52	9.24	9.93	10.48	10.76	10.70	10.35	9.48	—
	17	10.11	9.67	9.43	9.26	9.62	9.99	10.24	10.32	10.88	10.64	9.96	9.54	—
	18	9.87	9.41	9.28	9.20	9.55	9.95	10.51	10.88	11.20	11.05	10.65	9.99	—
	19	9.99	9.60	9.32	9.37	9.93	10.38	10.48	11.04	11.30	10.96	10.70	10.18	—
	20	9.96	9.61	9.66	9.87	10.01	10.52	11.11	11.21	11.45	10.72	10.19	9.54	—
	21	9.64	9.00	8.56	8.69	8.87	9.67	10.41	10.63	10.58	10.38	9.93	9.24	—
	22	8.81	8.67	8.53	8.46	8.73	9.16	9.74	10.16	10.38	10.06	9.69	9.34	—
	23	9.41	8.97	9.03	9.01	9.51	10.22	10.77	11.27	11.27	11.01	10.71	10.25	—
	24	9.53	9.56	9.36	9.19	9.83	10.25	10.62	10.69	11.00	10.68	10.17	9.85	—
	25	9.72	9.27	9.10	9.36	9.58	9.81	10.88	11.22	11.60	11.28	11.04	10.54	—
	26	10.07	9.68	9.66	9.77	9.95	10.31	10.97	11.28	11.55	11.72	11.39	10.93	—
	27	10.17	9.78	9.49	9.62	9.86	10.56	11.26	11.48	11.64	11.51	10.93	10.51	—
	28	9.98	9.76	9.28	9.38	9.73	10.18	10.74	11.02	11.06	10.86	10.48	9.88	—
	29	9.27	8.73	8.63	8.35	8.47	9.03	9.36	9.52	9.81	9.83	9.35	8.63	—
	30	8.43	8.15	7.65	7.58	7.94	8.14	8.93	9.42	9.63	9.39	8.54	7.93	—
	31	8.26	7.71	7.43	7.53	7.69	8.31	8.51	9.04	9.06	8.93	8.83	8.83	—
Hourly Means.		9.47	9.09	8.82	8.77	9.06	9.50	10.11	10.47	10.70	10.50	10.06	9.53	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	9.17	8.62	8.05	7.85	8.13	8.80	8.80	9.11	9.55	9.56	9.85	9.79	9.30
	2	9.33	8.99	8.32	7.91	8.01	8.19	8.77	9.31	10.02	10.33	10.55	10.31	9.49
	3	8.64	7.62	7.35	7.22	7.26	7.61	8.18	9.10	9.76	9.87	9.58	9.70	9.19
	4	8.20	7.75	7.27	7.87	8.55	9.23	9.80	10.17	10.15	10.18	9.96	9.48	9.06
	5	8.05	7.53	6.83	7.11	7.39	7.83	8.77	9.43	9.58	9.81	9.94	9.36	8.85
	6	8.68	8.07	9.25	9.09	9.21	9.63	9.28	9.40	9.71	9.88	10.11	9.77	9.39
	7	8.69	7.83	7.21	7.08	7.24	7.31	8.36	9.07	9.40	9.52	9.37	9.04	9.07
	8	8.10	7.41	7.01	7.19	7.54	8.24	8.70	9.32	9.81	9.97	10.00	9.53	8.58
	9	7.43	6.91	6.43	6.50	6.79	7.58	8.10	8.57	8.99	9.27	9.11	8.87	8.29
	10	7.97	7.20	6.85	7.07	7.69	7.73	8.57	9.26	9.73	10.28	10.28	9.78	8.64
	11	8.63	8.18	7.64	7.71	7.93	8.32	8.98	9.60	10.40	10.48	10.93	10.47	9.28
	12	9.80	9.16	8.61	8.52	8.75	9.10	10.11	10.41	10.94	11.10	11.11	10.92	10.07
	13	9.76	8.73	8.67	8.70	8.72	9.08	9.31	9.51	10.40	10.88	11.28	10.95	10.08
	14	9.50	8.70	7.75	7.51	7.92	8.50	9.12	9.63	10.53	10.87	10.85	10.23	9.68
	15	8.27	7.56	7.25	7.02	7.58	8.22	9.05	9.71	10.22	10.41	10.41	9.92	9.22
	16	8.85	8.53	7.93	7.85	8.09	8.90	9.04	9.54	10.08	10.35	10.51	10.26	9.38
	17	9.13	8.34	7.64	7.72	8.45	9.58	10.06	10.74	10.98	11.32	11.16	10.88	9.82
	18	9.24	8.49	7.89	7.77	8.01	8.74	9.78	10.20	10.33	10.56	10.86	10.61	9.75
	19	9.72	9.25	8.58	8.39	8.50	9.06	9.48	10.08	10.51	10.67	10.81	10.60	9.95
	20	9.10	8.49	7.98	7.69	7.75	8.15	9.10	9.83	10.29	10.36	10.28	10.13	9.71
	21	8.62	7.69	7.03	6.88	7.22	7.47	7.89	8.50	8.80	9.10	9.08	8.79	8.86
	22	8.91	8.02	7.52	7.24	7.51	7.93	8.74	9.59	10.03	9.99	10.01	10.08	9.05
	23	9.35	8.79	8.27	8.15	8.50	8.89	9.26	10.00	10.35	10.63	10.59	10.48	9.78
	24	9.59	9.06	8.41	8.28	9.20	9.60	10.15	10.45	10.58	10.76	10.44	9.81	9.88
	25	9.86	8.96	8.28	8.08	8.35	9.17	9.88	10.56	10.83	10.92	11.04	10.71	10.00
	26	10.33	9.60	9.21	9.30	9.56	10.32	9.87	10.32	10.73	10.63	10.48	10.04	10.32
	27	10.07	9.16	8.46	8.35	8.55	9.02	9.81	10.12	10.66	10.92	11.03	10.68	10.15
	28	8.95	8.25	7.93	7.69	7.82	8.49	9.37	9.75	10.35	10.55	10.44	9.96	9.66
	29	7.85	6.89	6.19	6.62	7.43	8.31	8.68	8.89	9.02	8.86	9.07	9.00	8.57
	30	7.15	6.34	5.87	6.13	7.62	8.95	8.30	8.56	8.62	8.83	9.04	8.74	8.16
	31	8.31	7.62	7.25	6.55	7.01	8.01	8.24	8.61	8.86	8.88	8.70	8.57	8.20
Hourly Means.		8.88	8.19	7.71	7.65	8.01	8.58	9.08	9.59	10.01	10.19	10.22	9.92	9.34

STANDARD THERMOMETER.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	76.6	75.4	74.8	74.8	74.2	74.0	74.5	75.8	78.0	82.1	83.7	86.0	—
	2	75.1	74.9	74.7	74.5	74.1	73.5	74.1	76.0	79.0	83.2	85.8	87.2	—
	3	77.0	76.6	75.6	75.0	74.4	74.2	74.4	74.7	75.6	78.0	80.0	80.9	—
	4	75.0	74.4	74.0	74.0	73.6	73.5	75.0	77.6	80.1	83.2	85.7	84.9	—
	5	75.1	74.6	74.0	73.6	73.3	73.5	75.1	76.9	79.7	82.1	86.0	88.3	—
	6	76.6	76.0	75.8	75.4	75.1	74.9	75.4	76 9	78.5	79.9	82.0	84.1	—
	7	74.2	74.0	73.8	73.6	73.5	73.4	74.2	76.0	79.0	80.3	82.0	82.8	—
	8	75.7	75.4	75.4	75.2	74.7	74.3	75.0	77.0	80.1	83.2	83.4	80.0	—
	9	75.0	74.6	74.0	73.8	73.2	73.0	74.7	77.5	80.4	83.0	84.2	84.6	—
	10	75.0	74.4	74.4	73.8	73.8	73.9	76.2	79 0	81.2	82.0	83.5	85.3	--
	11	75.6	75.6	75.1	75.0	75.0	75.0	76.0	78.0	79.6	81.2	83 6	85.0	—
	12	73.7	73 4	73.5	73.3	73.1	73.0	73.8	75.4	77 3	78.6	79.1	79.4	—
	13	75 6	75.3	75.0	74.8	74.5	74.4	75.0	75.3	76.2	77.5	77.5	77.2	—
	14	75.0	74.7	74.3	74.1	73.9	73.7	74.7	77.6	81.1	83.3	81.8	85.0	--
	15	75.9	75.9	75 5	75.0	74.6	74 4	77.0	80.2	81.7	83.6	84.9	85.2	--
	16	75.4	75.0	74.8	74.6	74.6	74.9	74.6	76.0	78.3	78.2	81.4	83.1	—
	17	75.5	75.2	74.9	74.8	74.1	73.9	75.3	77.7	79.0	80.5	83 5	83.7	—
	18	75.0	74.9	74.7	74.4	74.4	74.6	75.5	77.4	80.0	82.0	82.0	83.6	—
	19	76.9	76.5	75.7	75.0	74.8	75.0	76.7	79.7	81.6	82.8	83.4	86.0	—
	20	77.5	76.9	76.5	76.0	75.4	75.1	77.0	81.0	83.4	86.2	87.0	88.9	—
	21	80.6	80.2	79.8	79.2	78.2	77.4	78.5	81.4	83.2	84.0	85.0	86.2	—
	22	78.8	78.8	78.4	77.6	77.0	76.6	77.3	79.0	81.2	83.4	84.8	86.0	—
	23	77.1	76.6	76.0	75.6	74.8	74 5	76.1	78.2	81.3	84.4	84.4	85.6	—
	24	77.7	77.0	76.4	76.0	75.4	75.3	76.3	77.9	80.3	84.5	86.2	85.9	—
	25	75.5	75.3	74 8	74.5	74.1	74.0	75 5	76.9	79.0	80.0	80.2	82.1	—
	26	76.0	75.8	75.4	74 8	74.8	75.0	75.1	75.0	74.9	73.8	74.0	75.0	—
	27	74.2	74.0	73.8	73.5	73.4	73.4	73.2	73.2	74.4	74.8	76.0	78.0	—
	28	75.7	75.2	74.7	74.7	74.7	74.6	75.4	77.2	79.4	79.8	81.5	83.6	—
	29	77.2	76.9	76.3	75.8	75.4	74.9	76.6	79.7	82.1	83.2	84.0	85.7	—
	30	75.0	75.0	75.0	74.4	74.0	73.9	75.2	77.3	80.1	83.0	84 5	85.7	—
	31	74.0	73.8	73.5	73.3	73.1	73.0	73.9	77.0	81.0	83.0	85.0	74.6	—
Hourly Means.		75.91	75.56	75.18	74.84	74.49	74.35	75.40	77.37	79.57	81.45	82.78	83.54	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	87.0	88.0	87.7	87.7	85.7	84.2	82.5	81.0	79.8	78.6	77.0	76.0	80.21
	2	87.0	80.4	80.0	81.0	81.4	80.2	79.3	78.8	78.8	78.4	77.5	77.3	78.84
	3	82.0	83.8	83.8	82.6	82.0	81.1	79.2	78.0	77.0	76.2	76.0	75.6	78.07
	4	84.3	84.6	85.2	82.1	79.5	77.5	76.7	76.3	76.1	75.9	75.4	75.4	78.33
	5	85.4	81.7	82.5	78.7	79.0	78.7	78.6	78.7	78.3	77.6	77.4	77.0	78.58
	6	85.5	83.0	77.0	75.2	75.0	74 8	74.0	74.2	74.2	74.2	73.8	74.0	76.90
	7	82.0	83.0	84.0	85.1	84.8	83.0	81.0	80.0	79.1	78.0	76.9	76.3	78.75
	8	79.4	79.8	82.6	82.6	82.0	80.7	78.7	76.9	75.4	75.0	75.0	74.6	78.00
	9	86.6	85.1	84.6	83.4	79.3	78.4	77.6	77.6	77.0	76.6	75.8	76.0	78.58
	10	86.5	85.2	84 5	82.2	76.3	76.3	76.0	75.8	75.8	75.6	75.7	75.4	78.24
	11	86.0	84.8	83.7	83.4	83.0	81.8	81.0	80.3	79 6	78.7	74.5	74.1	79.40
	12	79.2	80.6	80.6	80.6	81.0	80.2	79.0	77.5	77.1	76.6	76.4	75.8	77.01
	13	78.0	80.6	81.7	81.9	81.0	80.0	78.1	77.2	76 5	76.4	76.0	75.6	77.14
	14	82.7	82.1	84.1	83.9	83.5	81.7	80.2	79.1	78.3	77.6	77.1	76.7	79.01
	15	85.0	84.6	84.0	83.7	82.5	81.5	81.2	80.3	78.4	77.0	76.1	76.0	79.76
	16	85.0	83.8	83.4	82.2	82.0	81.0	80.0	79.0	78.4	78.0	75.7	75.7	78.55
	17	82.9	84.5	84.6	84.0	82.1	80.7	79.0	77.8	77.0	76.3	75.9	75.9	78.70
	18	85.0	84.5	84.3	83.6	83.0	81.7	81.1	79.8	78.6	78.6	77.5	77.1	79.30
	19	86.1	85.6	85.0	84.9	84.6	83 4	82.2	81.0	79.9	79.0	78.0	77.2	80.46
	20	86.7	85.7	86.7	85.5	86.1	84.6	83.6	83.0	82.2	82.0	81.7	81.4	82.09
	21	87.5	87.9	87.0	86 1	85.1	84.0	83.0	81.9	81.7	80.7	80.0	79.4	82.42
	22	86.8	86.3	86 2	85.9	85.6	84.9	83.0	81.0	80.1	79.0	77.6	77.2	81.35
	23	86.2	86.4	85.4	84.8	84.6	83.6	82.7	82.1	81.1	79.4	78.6	78.2	80.74
	24	85.1	84.9	85.6	86.1	82.2	78.4	78.0	77.6	77.2	76.5	76.0	75.8	79.68
	25	79.8	83.0	83.2	82.7	82.7	81.9	81.4	79.1	77.5	77.2	77.0	76.5	78.50
	26	77.1	78.0	79.0	78.4	77.0	75.0	74.6	74.4	74.0	74.0	74.0	74.0	75.38
	27	79.1	79.4	79.7	80.0	80.0	79.4	78.0	77.6	77.0	76.6	76.2	76.0	76.29
	28	84.0	84.8	83.2	83.8	83.0	81.8	80.2	79.2	78.5	78.5	78.1	77.6	79.13
	29	85.6	85.3	85.0	83 5	83.1	77.4	76.4	75.7	75.1	75.2	75.2	75.2	79.19
	30	85.7	84.9	84.6	83.2	78.7	74.0	73.6	73.8	73.6	73.7	74 0	74.0	77.79
	31	75.3	77.0	77.7	78.3	78.6	78.0	77.0	76.6	76.1	75.9	75.7	75.4	76.53
Hourly Means.		83.69	83.53	83.44	82.84	78.75	80.32	79.25	78.43	77.72	77.19	76.51	76.21	78.80

RELATIVE HUMIDITY OF THE AIR.

SATURATION = 1000.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	865	905	913	904	921	921	921	881	783	654	640	581	—
	2	855	854	854	862	853	877	861	816	702	612	567	533	—
	3	916	882	881	897	913	921	922	914	881	829	730	769	—
	4	922	930	921	921	929	929	913	860	753	698	642	645	—
	5	914	922	921	921	929	929	905	842	784	687	596	536	—
	6	924	940	948	939	939	956	948	907	846	818	751	695	—
	7	956	947	947	965	965	973	965	906	832	753	728	731	—
	8	889	914	922	922	930	921	897	883	811	705	726	840	—
	9	956	965	956	947	955	964	947	860	768	705	682	709	—
	10	913	921	930	938	929	930	890	801	762	736	685	670	—
	11	957	957	966	965	965	965	940	885	810	749	679	645	—
	12	920	955	946	955	955	955	956	948	907	862	832	833	-
	13	940	948	947	939	956	956	956	957	948	917	925	907	--
	14	947	947	956	947	947	956	947	901	770	748	792	678	—
	15	931	940	948	956	956	965	907	848	784	697	663	709	—
	16	905	913	922	930	930	922	939	948	885	877	742	734	—
	17	931	947	939	930	947	947	931	892	847	768	679	700	—
	18	930	939	947	947	947	947	948	932	834	764	807	734	—
	19	916	915	923	930	922	939	916	833	777	774	754	656	-
	20	892	907	924	931	939	947	916	797	753	674	690	645	—
	21	904	910	887	839	853	867	838	791	732	702	685	663	—
	22	885	877	885	900	916	924	924	870	806	776	703	668	—
	23	867	891	899	905	922	930	899	837	777	689	682	686	—
	24	867	875	882	898	914	914	899	861	797	676	656	700	—
	25	889	898	913	921	930	930	905	882	830	809	810	742	—
	26	940	948	957	930	930	947	939	947	947	947	938	914	—
	27	973	973	965	982	982	982	955	982	947	956	931	845	—
	28	948	957	956	956	974	973	974	932	848	856	792	755	—
	29	835	932	932	931	931	947	883	811	737	712	715	681	—
	30	947	947	947	956	965	965	948	908	834	738	682	679	—
	31	956	965	973	955	964	955	938	891	776	719	660	888	—
Hourly Means.		916	926	929	930	936	940	923	881	815	762	728	715	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	583	490	534	545	589	667	729	754	772	799	834	841	751
	2	616	872	864	857	828	841	909	909	902	893	925	925	816
	3	700	640	666	635	672	761	831	884	906	915	905	914	829
	4	663	696	634	714	801	875	874	882	890	898	922	922	826
	5	672	829	773	877	893	908	926	893	908	917	932	924	847
	6	687	774	875	930	947	939	947	939	947	947	956	956	894
	7	792	738	727	718	724	774	843	880	801	821	834	857	841
	8	847	855	752	738	771	835	877	916	897	930	930	947	861
	9	591	705	723	725	893	917	932	932	940	915	915	898	854
	10	601	684	716	765	890	906	915	940	940	957	948	948	846
	11	641	683	734	754	767	807	850	841	863	885	878	921	838
	12	808	753	767	774	775	803	854	900	907	924	924	940	881
	13	884	827	777	792	783	825	885	907	932	924	940	940	905
	14	731	757	707	706	725	777	841	847	877	875	891	916	841
	15	697	690	728	727	751	748	790	834	837	874	889	898	824
	16	670	706	733	764	771	783	817	831	861	860	872	915	843
	17	711	676	669	648	660	760	869	892	891	932	931	931	835
	18	690	708	701	699	703	749	798	840	885	869	900	907	839
	19	675	699	683	696	708	739	800	842	855	885	901	916	819
	20	691	693	671	705	662	676	782	809	837	851	858	865	796
	21	629	643	652	674	703	735	767	814	799	826	855	863	776
	22	671	650	649	674	692	696	670	753	766	784	812	851	783
	23	689	650	685	689	708	740	773	793	783	816	830	845	791
	24	724	632	705	675	666	797	797	796	804	841	873	881	797
	25	825	725	705	738	738	771	799	877	932	924	940	940	849
	26	949	901	816	846	891	939	956	965	965	956	973	973	934
	27	816	824	802	788	811	824	908	925	941	940	957	948	915
	28	694	690	725	699	703	756	796	816	837	861	884	917	846
	29	673	672	665	747	752	834	890	948	965	956	956	956	836
	30	727	710	696	739	783	887	946	929	956	947	956	956	865
	31	956	948	932	933	942	950	958	966	966	957	957	966	920
Hourly Means.		719	726	725	741	765	807	849	873	883	893	906	915	842

DIRECTION OF THE WIND.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12
DECEMBER.	1	C	C	C	C	C	C	C	SW	SW	W	W	NW
	2	C	C	W	C	C	C	W	W	W	SSW	S	NW
	3	C	C	C	C	C	C	ENE	ENE	C	ENE	ENE	ENE
	4	N	C	C	C	C	C	C	N	N	N	N	N
	5	C	C	C	C	C	SW	SW	SW	SW	SW	NNW	W
	6	C	C	C	C	C	C	N	N	N	N	N	NW
	7	C	C	C	C	C	C	C	W	W	NNW	NNW	NNW
	8	C	N	N	C	C	N	N	N	N	SE	NE	SE
	9	C	C	N	C	C	C	N	N	N	N	NW	NNW
	10	C	NW	NW	C	NW	C	NW	NW	NW	NE	E	SE
	11	C	C	C	C	C	C	E	E	E	E	ENE	E
	12	S	S	C	S	C	C	C	SSE	SSE	SSE	ESE	SE
	13	C	C	C	C	C	C	C	E	E	E	E	E
	14	C	E	C	C	C	E	E	E	E	SE	NE	NNE
	15	N	N	C	C	C	C	N	ENE	E	ENE	NNE	N
	16	C	SW	C	C	SW	SW	NW	NW	NW	NW	WNW	NNW
	17	C	C	C	C	C	C	NW	NW	NW	NW	NW	NNW
	18	C	C	C	C	C	C	C	SW	WNW	NW	N	N
	19	C	C	C	C	C	C	N	N	N	NW	NW	N
	20	C	C	C	C	C	C	N	N	N	N	N	N
	21	C	N	N	C	C	N	N	N	N	N	N	N
	22	C	C	C	C	C	N	N	C	N	N	NW	N
	23	C	C	C	C	C	C	NW	NW	NW	NNW	N	N
	24	C	C	C	C	C	C	C	C	NNW	NNW	N	NNW
	25	C	C	C	C	C	SW	SW	C	NW	WNW	NW	NW
	26	NW	C	C	NW	NW	NW	NW	NW	W	W	W	C
	27	C	ESE	ESE	ESE	ESE	ESE	ESE	ESE	ESE	C	C	ESE
	28	C	C	C	C	NE	NE	NE	E	E	E	E	N
	29	C	C	N	C	C	C	N	N	N	NW	N	N
	30	C	C	C	C	C	C	SW	SW	SW	NW	NW	NE
	31	C	C	C	C	C	S	S	S	S	E	E	N

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12
DECEMBER.	1	SW	S	S	W	W	W	W	W	C	C	C	C
	2	NNW	NE	ENE	ENE	ENE	C	C	ENE	C	C	C	C
	3	ENE	ESE	ESE	N	N	N	C	C	C	C	N	C
	4	N	N	NNW	WSW	SW	SW	SW	SW	C	C	SW	C
	5	NNW	N	N	N	N	C	C	C	C	N	N	C
	6	N	N	W	W	SW	SW	SW	SW	SW	SW	SW	SW
	7	N	N	N	N	N	N	C	C	C	C	C	N
	8	SE	E	E	NE	NE	NE	NE	NE	NE	NE	N	N
	9	NW	N	N	N	NW	NW	C	C	C	NW	NW	C
	10	SE	ENE	NE	N	SE	E	C	E	C	E	E	C
	11	NE	N	N	N	N	C	N	N	C	N	S	S
	12	SE	ESE	SE	ESE	ESE	E	E	C	C	C	C	C
	13	E	E	E	E	E	E	C	C	C	C	C	C
	14	NNE	NNE	N	NW	N	N	C	C	C	C	C	C
	15	NE	N	N	NE	N	NNW	N	N	SW	SW	SW	C
	16	NNW	N	N	N	N	N	C	C	C	NW	NW	C
	17	N	N	NNE	N	WNW	WNW	SW	SW	C	C	C	C
	18	N	N	N	N	N	N	C	C	N	N	N	N
	19	N	N	N	NNW	N	N	N	C	C	C	C	C
	20	NE	N	NE	N	N	N	C	C	C	C	N	C
	21	N	N	N	NNW	N	N	C	C	C	C	C	C
	22	N	N	NNW	N	N	NW	NW	C	C	C	C	C
	23	NNW	N	N	N	N	NNW	NNW	NNW	C	C	C	C
	24	N	NNW	N	NNW	SSW	SW	SW	C	C	C	SW	C
	25	NNW	N	N	NW	NNW	NW	C	NW	C	C	C	NW
	26	C	WNW	N	N	E	E	E	E	E	ESE	ESE	C
	27	ESE	ESE	NE	NE	NE	C	C	C	C	C	C	C
	28	N	N	NNE	N	N	N	C	C	C	C	C	C
	29	N	N	N	N	NW	W	SW	SW	SW	SW	C	C
	30	N	N	N	NE	S	SE	S	S	S	S	C	C
	31	N	N	N	C	C	C	C	C	C	C	C	C

VELOCITY OF THE WIND IN KILOMETERS PER HOUR.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	3.2	2.4	3.2	—
	2	0.0	0.0	0.8	0.0	0.0	0.0	0.8	1.6	4.8	4.8	4.8	5.6	—
	3	0.0	0.0	0.0	0 0	0.0	0.0	0.8	0.8	0.0	0.8	2.4	1.6	—
	4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	3.2	8.0	9.7	—
	5	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6	2.4	4.0	6.4	—
	6	0.0	0.0	0.0	0.0	0 0	0.0	0.8	2.4	1.6	3.2	3.2	4.8	—
	7	0.0	0.0	0.0	0 0	0.0	0.0	0.0	1.6	3.2	4.8	2.4	2.4	—
	8	0.0	0.8	1.6	0.0	0.0	1.6	3.2	1.6	4.0	4.0	4.8	4.8	—
	9	0.0	0.0	1.6	0.0	0.0	0.0	1.6	1.6	2.4	4.0	4.8	6.4	—
	10	0.0	0.8	0.8	0.0	0.8	0.0	2.4	2.4	4.8	3.2	3.2	4.8	—
	11	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.4	3.2	3.2	5.6	4.8	—
	12	1.6	0.8	0.0	1.6	0.0	0.0	0.0	0.8	3.2	4.8	9.7	9.7	—
	13	0.0	0.0	0.0	0 0	0.0	0.0	0.0	0.8	3.2	5.6	6.4	8.0	—
	14	0.0	1.6	0.0	0.0	0.0	1.6	0.8	1.6	4.8	3.2	5.6	9.7	—
	15	0.8	1.6	0.0	0.0	0.0	0.0	3.2	4.8	7.2	6.4	11.3	9.7	—
	16	0.0	0.8	0.0	0.0	1.6	1.6	1.6	0.8	6.4	4.8	8.0	8.9	—
	17	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	3.2	6.4	8.0	—
	18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.8	6.4	9.7	—
	19	0.0	0.0	0.0	0.0	0.0	0.0	3.2	2.4	4.8	6.4	5.6	11.3	—
	20	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.4	2.4	4.0	4.8	4.8	—
	21	0.0	1.6	3.2	0.0	0.0	3.2	2.4	4.0	2.4	2.4	5.6	9.7	—
	22	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0	3.2	9.7	14.5	14 5	—
	23	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.6	1.6	4.0	9 7	11.3	—
	24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.8	8.0	12.1	—
	25	0.0	0.0	0.0	0.0	0.0	0.8	1.6	0.0	6.4	11.3	7.2	10 5	—
	26	1.6	0.0	0.0	4.0	4.0	1.6	1.6	1.6	4.8	4.8	0.8	0.0	—
	27	0.0	3.2	2.4	3.2	3.2	3.2	3.2	3.2	1.6	0.0	0.0	1.6	—
	28	0.0	0.0	0.0	0.0	0.8	1.6	3.2	3.2	1.6	1.6	3.2	5.6	—
	29	0.0	0.0	0.8	0.0	0.0	0.0	1.6	2.4	2 4	2.4	5.6	11.3	—
	30	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	4.8	3.2	4.0	—
	31	0.0	0.0	0.0	0.0	0.0	0.8	3 2	1.6	3.2	4.8	17.7	4.0	—
Hourly Means.		0.15	0.36	0.36	0.28	0.34	0.57	1.37	1.73	3.17	4.21	5.98	7.06	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	3.2	6.4	3.2	3.2	1.6	0.8	0.8	1.6	0.0	0.0	0.0	0.0	1.33
	2	9.7	11.3	4.8	1.6	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0	2.18
	3	1.6	1.6	3.2	5.6	1.6	0.8	0.0	0.0	0.0	0.0	0.8	0.0	0.90
	4	11.3	12.9	13.7	8.9	4.8	4.8	4.8	1.6	0.0	0.0	1.6	0.0	3.72
	5	8.0	8.0	11.3	2.4	1.6	0.0	0.0	0.0	0.0	1.6	0.8	0.0	2.10
	6	8.0	10.5	8.0	4.8	6.4	4.8	3.2	0.8	0.8	0.8	0.8	0.8	2.74
	7	2.4	1.6	1.6	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.8	1.13
	8	3.2	8.0	4.8	6.4	4.0	1.6	3.2	3 2	3.2	3.2	3.2	0.8	2.97
	9	6.4	8.9	8.0	8.0	1.6	1.6	0.0	0.0	0.0	1.6	0.8	0.0	2.47
	10	6.4	6.4	8.0	8.0	6.4	4.0	0.0	0.8	0.0	0.8	0.8	0.0	2.70
	11	8.9	8.9	5.6	3.2	2.4	0.0	0.8	0.8	0.0	3.2	9.7	3.2	2.78
	12	11.3	8.0	4.8	8.0	6 4	3.2	0.8	0.0	0.0	0.0	0.0	0.0	3.11
	13	9.7	11.3	12.9	13 7	8.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.45
	14	11.3	9.7	8.0	5.6	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	2.91
	15	9.7	9.7	11.3	14.5	13.7	8.0	2.4	4.8	5.6	4 8	1.6	0.0	5.46
	16	11.3	12 9	11.3	7.2	4.0	3.2	0.0	0.0	0.0	4.0	0.8	0.0	3.72
	17	12.1	12.1	12.9	12.1	4.0	0.8	4.0	1.6	0.0	0.0	0.0	0.0	3.38
	18	11.3	11.3	11.3	11.3	8.0	3.2	0.0	0.0	0.8	0.8	0.8	0.8	3.62
	19	12.9	11.3	11.3	9.7	4.8	1.6	0.8	0.0	0.0	0.0	0.0	0.0	3.59
	20	10.5	9.7	11.3	8.0	6.4	1.6	0.0	0.0	0.0	0.0	1.6	0.0	2.88
	21	12.9	12.9	12.1	10.5	8.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0	3.93
	22	13.7	14.5	12.1	11.3	7.2	2.4	1.6	0.0	0.0	0.0	0.0	0.0	4.43
	23	13.7	15.3	12.1	11.3	9.7	6.4	4.0	1.6	0.0	0.0	0.0	0.0	4 30
	24	14.5	16.1	16.9	12.1	8.0	4.8	2.4	0.0	0.0	0.0	0.8	0.0	4.29
	25	9.7	11 3	13.7	8.9	6.4	4.8	0.0	1.6	0.0	0.0	0.0	0.8	3.96
	26	0.0	3.2	4.0	4.0	9.7	9.7	3.2	3.2	4.0	3.2	0.8	0.0	2.91
	27	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.50
	28	5.6	11.3	11.3	8.9	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0	2 71
	29	11.3	12.9	13.7	8 0	7.2	4.8	4.8	5.6	4.0	0.8	0.0	0.0	4.15
	30	11.3	9.7	11.3	8.9	12.9	8.9	5.6	4.0	1.6	0.8	0.0	0.0	3.83
	31	2.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.77
Hourly Means.		8.63	9.49	8.98	7.45	5.46	2.97	1.37	1.03	0.65	0.83	0.80	0.23	3.06

CLOUDS.

CLEAR = 0. — OVERCAST = 10.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	4	6	9	9	10	10	10	10	6	6	9	8	—
	2	4	8	8	9	9	9	10	6	8	6	5	8	—
	3	9	8	10	7	9	10	10	10	10	10	10	10	—
	4	3	2	2	2	9	8	9	9	7	4	9	10	—
	5	2	5	5	2	6	4	8	7	4	4	4	5	—
	6	9	9	7	4	6	9	10	5	8	9	6	7	—
	7	8	6	4	5	8	9	10	9	9	10	10	10	—
	8	3	4	6	2	3	5	9	7	6	7	8	9	—
	9	8	1	0	0	1	2	2	1	3	6	5	6	—
	10	4	3	4	2	3	6	5	4	8	9	9	7	—
	11	10	10	10	9	10	10	9	9	9	8	8	7	—
	12	10	10	4	3	8	10	10	10	10	10	10	10	—
	13	8	9	3	3	10	10	10	10	10	10	10	10	—
	14	5	3	3	1	2	4	9	5	6	6	7	3	—
	15	8	9	2	6	3	6	7	8	9	8	6	5	—
	16	8	9	9	10	10	10	10	10	10	7	6	5	—
	17	9	8	7	6	3	8	7	10	10	7	8	9	—
	18	7	8	9	8	8	6	5	9	8	9	9	7	—
	19	3	2	1	1	2	2	2	2	4	8	8	2	—
	20	3	6	7	7	7	6	1	2	3	4	5	6	—
	21	9	9	7	10	4	3	2	6	7	9	10	10	—
	22	5	8	7	5	5	9	5	5	5	8	8	4	—
	23	2	2	3	4	7	8	9	9	7	6	7	6	—
	24	1	0	0	1	1	4	9	8	5	5	10	8	—
	25	6	7	4	2	5	7	10	10	10	9	10	10	—
	26	10	10	10	10	10	10	10	10	10	10	10	10	—
	27	10	10	10	10	10	10	10	10	10	10	10	10	—
	28	5	5	4	7	10	10	9	9	7	10	9	7	—
	29	6	1	1	0	1	2	3	2	2	7	8	2	—
	30	6	5	6	7	7	6	6	4	3	4	4	6	—
	31	5	5	8	10	7	4	5	8	5	9	9	10	—
Hourly Means.		6.1	6.1	5.5	5.2	6.3	7.0	7.5	7.2	7.1	7.6	8.0	7.3	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	9	7	6	7	8	7	5	6	4	2	6	4	7.0
	2	7	10	6	6	10	7	8	9	9	7	5	4	7.4
	3	10	10	10	8	7	5	1	2	6	3	2	4	7.5
	4	10	10	9	10	10	10	10	10	10	10	10	10	8.0
	5	10	9	9	10	10	10	9	10	10	10	10	10	7.2
	6	8	10	10	10	10	10	10	8	10	5	4	7	8.0
	7	10	10	8	6	5	6	2	1	2	1	1	0	6.3
	8	10	10	9	9	9	10	10	6	5	10	10	10	7.4
	9	8	9	10	10	10	9	10	10	10	9	10	8	6.2
	10	7	9	9	10	10	10	10	10	10	10	10	9	7.4
	11	9	10	10	10	10	9	10	8	8	7	10	10	9.2
	12	10	10	10	10	9	9	10	7	8	9	9	7	8.9
	13	10	10	10	10	10	9	8	4	9	8	9	7	8.6
	14	7	6	4	3	3	4	4	7	4	5	4	5	4.6
	15	6	6	5	2	2	5	6	6	8	8	7	9	6.1
	16	6	5	5	4	7	7	9	9	9	10	10	10	8.1
	17	8	5	4	3	10	10	3	7	9	10	10	10	7.5
	18	4	4	2	2	3	4	3	6	6	4	7	6	6.0
	19	3	3	4	4	5	8	4	3	3	2	2	5	3.5
	20	9	8	8	3	6	4	8	8	9	9	10	10	6.2
	21	3	3	4	3	2	1	2	2	1	1	1	5	4.8
	22	5	3	4	3	2	2	1	1	0	0	0	0	4.0
	23	4	2	2	3	5	4	3	7	3	6	6	7	5.1
	24	9	9	9	9	10	10	9	9	7	7	6	6	6.3
	25	9	8	9	9	10	10	10	10	4	6	6	7	7.8
	26	10	10	10	10	10	10	10	10	10	10	10	10	10.0
	27	9	10	10	10	8	5	7	7	5	3	7	7	8.7
	28	6	5	6	8	9	9	7	10	10	10	10	9	8.0
	29	2	3	3	7	10	10	10	10	10	10	10	10	5.4
	30	5	5	5	10	10	10	10	10	10	10	10	5	6.8
	31	10	10	9	10	10	6	5	4	4	6	6	7	7.2
Hourly Means.		7.5	7.4	7.1	7.1	7.7	7.4	6.9	7.0	6.9	6.7	7.0	7.0	6.94

DURATION OF SUNSHINE.

DECEMBER.

Mean Batavia Time.	8—8½ A. M.	8½—9	9—9½	9½—10	10—10½	10½—11	11—11½	11½—12	12—12½ P. M.	12½—1	1—1½	1½—2	2—2½	2½—3	3—3½	3½—4	Daily and Monthly Means.
1	0	2	7	9	7	2	2	3	0	0	5	5	0	1	7	2	3.3
2	7	5	3	9	10	10	9	4	2	1	0	0	0	0	0	0	3.8
3	0	0	0	0	0	0	0	0	0	0	6	3	0	0	0	0	0.6
4	2	1	1	2	8	4	1	1	2	1	2	1	2	2	3	0	2.1
5	0	1	9	6	8	9	8	9	8	0	0	3	6	9	0	0	4.8
6	0	0	0	0	0	6	8	7	8	8	2	0	0	0	0	0	2.4
7	8	4	7	4	3	3	0	0	0	0	0	0	2	1	6	8	2.9
8	4	4	9	9	8	2	0	0	0	0	0	0	2	3	3	0	2.8
9	10	10	7	9	7	7	6	7	6	8	4	4	2	1	4	1	5.8
10	10	6	2	0	3	3	2	5	8	7	3	0	0	0	0	0	3.1
11	1	2	3	3	9	7	7	8	4	4	7	1	0	0	1	0	3.6
12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0.1
13	0	0	0	0	0	0	0	0	0	0	0	3	2	3	6	8	1.4
14	10	8	10	10	6	0	9	10	8	0	0	4	7	10	10	10	7.0
15	9	8	3	2	5	5	10	10	9	10	7	7	8	5	10	10	7.4
16	0	2	0	1	6	6	6	8	9	9	9	8	9	8	5	4	5.6
17	2	0	0	0	5	7	6	0	0	3	7	10	10	10	10	9	4.9
18	0	5	6	7	3	3	3	7	8	10	10	10	10	10	10	10	7.0
19	10	8	6	6	5	2	6	9	10	10	10	10	10	10	10	10	8.3
20	10	10	10	9	10	7	4	4	5	0	0	0	5	6	2	8	5.6
21	7	8	3	3	3	4	6	6	9	9	10	10	10	10	10	10	7.4
22	3	2	4	6	2	4	5	8	9	9	10	10	10	10	10	10	7.0
23	9	10	10	9	2	1	6	7	5	8	9	10	10	10	10	10	7.9
24	2	4	9	10	8	5	2	4	5	4	4	6	9	8	10	10	6.3
25	0	0	4	3	4	0	0	3	0	0	5	6	6	7	5	0	2.7
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
27	6	0	0	0	0	1	0	5	5	0	0	0	0	0	0	0	1.1
28	5	5	4	0	0	2	3	6	5	6	7	10	9	2	8	10	5.1
29	10	10	9	3	6	2	5	10	10	10	10	10	10	10	9	1	7.8
30	7	9	8	10	10	6	6	6	5	7	10	10	10	10	4	0	7.4
31	4	9	9	7	8	6	0	0	0	0	0	0	0	0	0	0	2.7
Hourly Means.	4.4	4.3	4.6	4.4	4.7	3.7	3.9	4.7	4.5	4.0	4.4	4.6	4.8	4.7	4.9	4.2	4.43

BLACK BULB THERMOMETER IN VACUO.

CENTESIMAL DEGREES.

DECEMBER.

Mean Batavia Time.	$7^{h}30$ A. M.	8	$8^{h}30$	9	$9^{h}30$	10	$10^{h}30$	11	$11^{h}30$	12	$0^{h}30$ P. M.	1	$1^{h}30$	2	$2^{h}30$	3	$3^{h}30$	4	$4^{h}30$
1	34.3	34.4	34.3	46.3	51.4	50.3	48.6	46.4	48.7	50.3	45.6	45.2	45.3	46.4	42.5	44.4	42.5	37.3	34.8
2	31.7	40.9	40.4	42.6	46.9	50.5	51.3	51.8	52.3	49.9	47.9	47.9	37.4	—	—	—	29.4	30.3	29.4
3	32.9	32.8	32.9	32.9	32.9	35.4	35.5	37.8	36.4	35.9	37.9	39.6	43.0	45.4	39.6	37.4	35.4	33.3	30.4
4	30.9	36.4	40.3	41.0	44.2	51.4	52.4	47.4	45.9	41.5	43.9	40.7	42.8	42.6	38.6	40.1	37.0	31.0	26.7
5	27.9	33.1	36.5	48.8	51.3	46.1	49.5	51.4	56.0	53.9	52.9	35.7	—	33.6	40.4	38.4	—	25.4	25.7
6	27.9	32.9	34.9	35.4	34.4	36.4	37.5	47.4	48.3	48.9	49.0	46.9	47.2	—	32.0	—	—	—	—
7	27.4	41.9	44.4	46.6	47.8	47.6	47.7	47.8	47.7	—	47.6	—	—	—	—	—	—	—	—
8	—	33.5	36.4	42.6	44.4	49.5	49.4	34.5	—	31.4	30.5	30.6	30.6	31.8	37.6	39.5	36.4	33.5	31.4
9	41.4	46.4	47.1	47.4	46.7	54.4	44.4	50.4	44.8	44.2	42.9	51.4	45.6	42.4	38.2	37.3	39.6	32.4	—
10	43.8	48.4	45.5	38.9	36.4	37.4	41.8	44.4	43.8	47.4	51.1	48.5	45.9	38.1	38.9	39.0	35.8	—	—
11	—	32.4	34.9	38.4	38.9	44.4	48.9	45.1	50.4	46.4	45.0	44.9	44.4	39.4	36.7	36.9	35.9	33.0	31.9
12	25.4	28.4	29.9	32.2	32.8	33.6	33.8	32.9	33.1	34.4	33.9	34.1	33.7	37.6	37.4	32.9	34.4	31.9	31.9
13	—	—	—	29.9	30.4	30.6	30.1	—	—	28.6	29.4	33.2	33.9	40.0	37.9	40.3	39.9	34.7	33.0
14	—	43.4	47.2	49.5	51.4	52.4	38.9	34.4	49.9	50.5	51.4	33.9	33.5	34.9	41.7	44.7	42.4	31.4	31.9
15	39.8	38.3	40.3	37.6	38.4	46.8	40.3	49.4	51.2	50.4	51.2	49.4	49.2	42.2	45.4	45.5	43.9	35.4	33.4
16	24.9	28.4	32.8	35.4	35.3	41.8	50.5	50.8	45.0	49.4	48.9	47.9	50.4	43.0	46.0	45.2	39.3	32.9	32.8
17	31.7	41.2	33.9	34.7	36.9	43.9	47.2	53.4	50.3	44.2	43.4	44.3	44.4	53.4	45.8	46.3	40.4	33.4	33.3
18	27.0	33.4	40.6	43.5	50.9	43.2	33.9	37.9	42.2	44.9	47.1	50.4	50.9	50.4	47.9	44.6	43.9	31.8	32.5
19	41.3	46.4	48.9	40.9	43.4	38.4	45.4	41.1	48.2	52.4	51.9	50.8	50.8	49.8	48.3	44.1	45.4	33.4	34.1
20	45.2	46.4	46.3	47.4	48.7	50.9	47.1	40.8	45.1	48.2	49.5	41.4	43.4	39.7	42.4	41.9	39.4	35.4	35.2
21	39.8	45.4	47.8	42.9	35.1	44.4	34.6	42.9	48.9	44.4	51.9	46.7	50.9	50.9	45.9	43.8	39.6	34.3	34.4
22	28.9	34.5	35.0	37.3	41.4	40.8	38.4	50.4	43.9	51.4	50.9	50.3	50.9	48.4	47.3	45.5	45.4	34.4	36.3
23	32.9	40.6	44.4	49.6	50.9	46.3	38.4	39.5	49.4	48.3	44.8	50.4	48.4	50.6	49.3	44.0	43.9	33.3	32.2
24	29.7	34.4	34.1	46.9	49.4	50.8	49.9	43.7	41.0	47.3	44.4	40.4	38.8	45.0	45.8	44.6	46.0	35.8	34.6
25	27.0	30.3	32.9	37.4	41.1	39.4	44.8	38.0	34.2	42.9	40.4	39.9	48.1	48.2	44.8	41.0	36.4	34.4	33.4
26	—	—	—	—	—	—	—	—	—	—	28.8	27.9	26.9	30.9	30.4	30.9	—	28.4	27.6
27	—	—	26.4	27.5	—	—	28.9	35.2	34.2	41.9	37.3	35.4	35.4	34.4	36.5	34.9	35.3	33.4	30.3
28	31.1	35.3	50.9	45.4	34.0	34.9	35.9	47.0	42.8	52.5	43.7	47.2	42.3	51.9	50.4	36.7	42.2	37.4	36.4
29	43.2	47.0	47.9	51.6	42.5	45.4	48.9	40.2	45.8	51.4	50.4	50.0	49.9	49.6	49.4	42.1	46.0	30.6	28.5
30	36.6	42.2	40.8	44.4	47.7	50.4	51.3	50.4	49.4	44.1	49.0	48.6	46.4	44.8	44.4	43.9	36.6	30.7	29.4
31	40.4	35.4	45.9	48.9	49.9	48.4	54.9	44.4	—	—	—	—	—	25.9	26.9	26.5	—	—	—
Means.	33.72	38.00	39.78	41.46	42.60	44.34	43.34	44.03	45.51	45.61	44.75	43.23	43.23	42.55	41.67	40.44	39.71	32.93	31.98

ATMOSPHERIC ELECTRICITY.

IN VOLTS. — P. N. = POSITIVE OR NEGATIVE OUT OF SCALE. HEIGHT ABOVE THE GROUND = 7.3 METER

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	46	33	33	22	22	28	33	25	33	22	28	22	—
	2	52	49	28	22	33	46	28	55	22	17	22	8	—
	3	—	—	—	—	—	—	—	38	33	85	17	49	—
	4	55	41	33	30	33	41	63	66	33	11	6	35	—
	5	55	52	49	63	55	63	58	33	0	17	19	28	—
	6	35	30	33	33	30	30	52	74	69	41	25	41	—
	7	19	22	14	11	19	38	72	96	58	49	22	41	—
	8	61	44	35	30	22	41	55	61	41	6	19	P N	—
	9	N	—	—	—	—	—	—	35	11	22	19	25	—
	10	30	30	33	19	28	35	138	25	28	30	19	25	—
	11	17	28	17	14	11	22	83	104	35	17	25	28	—
	12	69	P N	—	—	—	—	—	46	52	55	28	28	—
	13	—	—	—	—	—	—	—	— 11	11	17	— 8	11	—
	14	—	—	—	—	—	—	—	69	14	8	11	14	—
	15	63	41	44	41	44	69	129	33	11	— 33	8	17	—
	16	61	58	49	55	46	110	N	77	93	66	41	25	—
	17	22	25	19	6	17	25	55	35	38	22	19	25	—
	18	49	44	30	41	49	55	63	66	— 6	17	6	3	—
	19	55	55	49	49	49	49	80	17	22	11	14	6	—
	20	72	63	63	58	46	93	132	22	6	6	— 6	8	—
	21	55	49	33	28	41	35	52	35	19	8	8	11	—
	22	55	35	28	22	22	25	66	41	3	— 14	— 38	— 74	—
	23	0	— 6	— 14	— 19	— 14	3	46	52	38	14	14	8	—
	24	33	17	14	8	8	11	22	17	30	0	8	8	—
	25	46	30	25	19	17	22	58	33	25	8	17	17	—
	26	14	— 14	14	17	0	— 3	8	— 11	8	P N	P N	6	—
	27	0	6	0	— 14	8	— 52	— 11	— 25	22	— 44	38	28	—
	28	17	11	22	14	— 52	8	41	41	N	19	17	14	—
	29	17	8	11	6	6	3	30	—	—	—	—	—	—
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	—	—	—	—	—	—	—	101	55	77	127	P N	—
Hourly Means.		39.9	31.3	27.6	24.0	22.5	33.2	58.8	43.1	28.7	19.8	18.8	17.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	19	17	22	19	25	22	55	41	46	46	52	44	31.5
	2	0	P N	P N	22	30	19	17	41	11	11	28	—	26.7
	3	17	28	33	28	38	46	74	129	96	74	96	83	56.7
	4	0	8	11	P N	P N	P N	118	33	85	88	52	58	42.9
	5	17	— 17	P N	P N	P N	P N	35	69	55	66	30	41	39.4
	6	35	P N	P N	P N	P N	P N	0	25	35	38	30	22	35.7
	7	35	49	46	35	35	38	83	107	113	61	52	88	50.1
	8	P N	28	35	35	83	129	140	72	90	P N	P N	110	56.9
	9	30	25	33	N	N	28	33	74	77	61	35	38	36.4
	10	— 14	22	25	P N	P N	151	113	33	28	22	19	35	39.7
	11	14	— 17	55	46	44	63	88	72	46	104	N	110	44.6
	12	28	19	38	35	33	44	52	28	19	11	—	—	36.6
	13	25	— 14	25	28	33	44	35	8	14	22	—	—	16.0
	14	N	33	30	38	38	44	96	113	88	74	96	63	51.8
	15	19	17	22	11	19	61	99	138	55	55	55	49	44.5
	16	14	38	38	28	25	52	63	66	74	22	110	—	55.0
	17	22	14	19	25	33	74	58	90	138	127	11	33	39.7
	18	8	8	17	22	30	49	63	93	96	93	88	72	44.0
	19	0	3	14	6	14	33	69	99	104	118	101	127	47.7
	20	— 8	8	11	11	19	30	41	77	101	96	22	38	42.0
	21	3	0	0	11	11	28	49	61	61	35	69	55	31.5
	22	— 61	— 49	— 33	— 35	— 8	0	25	28	55	52	46	22	8.9
	23	— 17	— 8	8	8	17	35	46	41	61	69	52	52	20.3
	24	— 25	— 41	— 3	46	P N	P N	25	99	96	90	74	72	27.7
	25	35	8	11	25	19	33	55	P N	25	22	19	17	25.5
	26	14	19	41	148	19	0	— 8	— 3	3	3	8	3	13.0
	27	33	28	41	44	49	55	28	17	6	6	6	11	11.7
	28	22	N	28	38	66	77	38	77	61	41	22	19	29.1
	29	—	—	—	—	—	—	—	—	—	—	—	—	11.6
	30	—	—	—	—	—	—	—	—	—	—	—	—	—
	31	P N	P N	P N	P N	66	96	99	93	74	74	80	74	84.7
Hourly Means.		10.2	9.0	22.7	29.3	32.1	50.0	58.2	65.0	62 5	56.5	50.1	53.4	35.99

RAIN IN MILLIMETRES.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
January 8	—	—	—	—	—	—	—	—	—	—	—	—	—
» 9	15.6	26.8	0.5	0.1	0.3	0.1	—	—	—	—	—	—	—
» 10	—	—	—	—	—	—	—	—	—	—	1.3	0.3	—
» 11	—	—	—	—	—	—	6.9	22.5	3.4	0.4	—	—	—
» 12	4.7	2.8	0.3	0.1	—	—	—	—	—	—	—	—	—
» 13	—	—	—	—	—	—	—	—	—	—	—	—	—
» 14	—	—	—	—	—	—	—	—	—	0.2	0.2	—	—
» 15	—	—	—	—	—	—	—	—	—	—	—	—	—
» 20	—	—	—	—	—	—	—	—	—	0.1	—	—	—
» 21	—	—	—	—	—	—	—	—	—	—	—	—	—
» 23	—	—	—	—	—	—	—	—	—	—	—	—	—
» 24	—	—	—	—	—	—	—	—	—	—	—	4.4	—
» 30	—	—	—	—	—	—	—	—	—	—	—	—	—
February 2	—	—	—	—	—	—	—	—	—	—	—	6.3	—
» 3	—	8.5	5.1	5.0	1.7	0.3	0.5	0.5	0.2	0.1	—	—	—
» 5	—	—	—	—	—	—	—	—	—	—	—	—	—
» 9	—	—	—	—	—	—	—	—	—	—	—	—	—
» 10	0.3	0.1	2.4	2.7	4.8	1.0	0.2	1.2	0.9	—	—	1.6	—
» 11	—	—	—	35.5	0.2	—	—	—	—	—	—	—	—
» 13	3.1	0.2	0.1	—	—	—	—	—	0.1	—	0.1	20.0	—
» 14	—	—	—	—	—	—	—	—	—	—	—	—	—
» 15	—	—	—	—	—	0.1	0.1	2.2	4.3	0.7	0.1	—	—
» 16	—	—	—	—	—	—	—	—	—	—	0.9	0.1	—
» 17	—	—	—	—	0.1	—	—	—	—	—	—	—	—
» 18	—	—	—	—	—	—	—	—	—	—	0.8	0.2	—
» 19	2.2	0.3	0.1	—	—	—	—	—	—	—	—	—	—
» 20	—	—	0.3	—	0.2	1.6	0.4	—	—	—	—	—	—
» 23	—	—	—	—	—	—	—	—	0.8	1.3	—	—	—
» 25	—	—	6.2	—	—	—	—	—	—	—	—	—	—
» 27	—	—	—	—	—	—	—	—	—	—	—	—	—
» 28	22.3	1.1	3.0	1.1	0.1	—	—	—	—	—	—	—	—
March 1	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
January 8	—	—	—	—	—	—	—	—	—	1.9	0.1	0.9	2.9
» 9	—	—	—	—	—	—	—	—	—	—	—	—	43.4
» 10	—	—	—	—	—	—	—	—	—	—	—	—	1.6
» 11	—	—	—	0.2	—	—	—	—	—	—	—	4.0	37.4
» 12	—	—	—	—	—	—	—	—	—	—	—	—	7.9
» 13	—	—	—	—	1.7	2.2	0.4	1.1	2.1	0.3	0.1	—	7.9
» 14	—	—	—	—	—	—	—	—	—	—	—	—	0.4
» 15	—	—	0.8	0.3	—	—	—	—	—	—	—	—	1.1
» 20	—	—	—	—	—	—	0.7	0.1	—	—	—	—	0.9
» 21	—	3.4	0.2	—	—	—	—	—	—	—	—	—	3.6
» 23	—	—	—	0.7	4.2	1.4	0.1	—	—	—	—	—	6.4
» 24	—	—	0.8	—	—	—	—	—	—	—	—	—	5.2
» 30	—	—	—	3.0	0.1	—	—	—	—	—	—	—	3.1
February 2	0.1	—	—	—	—	0.7	0.8	14.5	5.2	0.1	—	—	27.7
» 3	—	—	—	—	—	—	—	—	—	—	—	—	21.9
» 5	—	—	35.4	1.8	0.1	2.9	9.4	1.7	1.3	0.3	0.2	0.2	53.3
» 9	—	—	—	—	24.3	0.5	—	—	—	—	—	1.3	26.1
» 10	—	—	—	—	—	—	—	4.4	0.2	—	—	—	19.8
» 11	—	—	—	—	—	—	—	—	—	—	—	—	35.7
» 13	1.9	0.1	0.3	0.3	1.8	1.4	0.1	—	—	—	—	—	29.5
» 14	—	—	—	—	—	—	—	—	—	—	3.8	1.9	5.7
» 15	—	—	—	—	—	—	—	—	—	—	—	—	7.5
» 16	0.3	—	—	—	—	—	—	—	—	—	—	—	1.3
» 17	—	—	—	—	—	—	—	—	—	—	—	—	0.1
» 18	—	—	—	—	—	—	—	—	—	8.1	12.5	1.3	22.9
» 19	—	—	—	—	—	—	—	—	—	—	—	—	2.6
» 20	—	—	—	—	—	—	—	—	0.8	0.2	—	—	3.5
» 23	—	—	—	—	—	1.3	—	—	—	—	—	—	3.4
» 25	—	—	—	—	—	—	—	—	—	—	—	—	6.2
» 27	—	—	—	—	—	—	—	—	—	0.9	0.1	—	1.0
» 28	—	—	2.6	1.5	0.1	—	—	—	—	—	—	—	31.8
March 1	—	—	—	3.1	0.1	—	—	—	—	—	—	—	3.2

RAIN IN MILLIMETRES.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
March	8	—	—	—	—	—	—	—	—	—	—	—	—	—
»	9	—	—	—	—	—	0.4	2.3	1.4	0.2	—	—	—	—
»	13	—	—	—	—	—	—	—	—	—	—	—	—	—
»	14	0.2	—	—	0.1	1.3	0.7	0.2	—	—	—	—	—	—
»	15	—	—	—	—	—	—	—	—	—	—	—	—	—
»	16	—	—	—	—	—	—	—	—	—	—	—	—	—
»	20	—	—	—	—	—	—	—	—	—	—	—	0.3	—
»	21	—	0.1	—	—	—	—	—	—	—	—	—	—	—
»	23	—	—	—	—	—	—	—	—	—	—	—	0.1	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—	—
»	25	—	—	—	—	—	—	—	—	—	—	—	—	—
»	26	—	—	—	—	—	—	—	—	—	—	—	—	—
April	1	—	—	—	—	—	—	—	—	—	—	—	—	—
»	3	—	—	—	—	—	—	—	—	—	—	—	—	—
»	4	—	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—	—
»	7	—	—	—	—	—	—	—	—	—	—	—	—	—
»	9	—	—	—	—	—	—	—	—	—	—	—	—	—
»	13	—	—	—	—	—	—	—	—	—	—	—	—	—
»	14	—	—	—	—	—	—	—	—	—	—	—	—	—
»	15	0.1	—	—	—	—	0.4	0.4	0.2	—	—	—	—	—
»	16	0.4	3.3	3.9	0.8	3.1	0.2	0.1	—	—	—	—	—	—
»	20	—	—	—	0.4	19.1	18.7	0.7	—	—	—	—	—	—
»	24	—	—	—	—	—	—	—	—	—	—	—	—	—
»	28	—	—	—	—	—	—	—	—	—	—	—	—	—
»	29	—	—	—	—	—	—	—	—	—	—	—	0.4	—
»	30	—	—	—	—	—	—	—	—	—	—	—	—	—
May	10	—	—	—	—	—	—	—	—	—	—	—	—	—
»	11	—	—	0.1	—	—	—	—	—	—	—	—	—	—
June	5	—	—	—	—	—	—	—	—	—	—	—	—	—
»	6	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
March	8	—	—	—	—	0.9	0.6	—	—	—	—	—	—	1.5
»	9	—	—	—	—	—	—	—	—	—	—	—	—	4.3
»	13	—	—	—	—	—	—	—	—	—	—	—	1.8	1.8
»	14	—	—	—	—	—	—	—	—	—	—	—	—	2.5
»	15	—	—	2.2	—	—	—	—	—	—	—	—	—	2.2
»	16	1.9	0.1	—	—	—	—	—	—	—	—	—	—	2.0
»	20	—	—	—	—	—	—	9.9	2.9	0.3	0.2	—	—	13.6
»	21	—	—	2.9	1.3	0.1	—	—	—	—	—	—	—	4.4
»	23	—	—	—	—	—	—	—	—	—	—	—	—	0.1
»	24	—	—	—	25.0	9.2	0.2	—	—	—	—	—	—	34.4
»	25	—	—	—	—	—	0.1	—	—	—	—	—	—	0.1
»	26	—	0.5	0.5	0.3	4.3	0.6	—	—	—	—	—	—	6.2
April	1	—	—	—	—	—	—	—	—	—	0.2	0.6	0.3	1.1
»	3	—	—	—	2.0	20.8	0.9	0.7	0.2	—	—	—	—	24.6
»	4	—	—	—	20.4	22.2	2.7	0.1	—	—	—	—	—	45.4
»	6	—	—	—	—	4.2	4.6	0.2	—	—	—	—	—	9.0
»	7	—	2.3	3.6	0.1	—	—	—	0.3	—	—	—	—	6.3
»	9	—	—	—	—	—	—	—	—	—	—	—	0.1	0.1
»	13	—	—	—	—	0.7	—	—	—	—	—	—	—	0.7
»	14	—	—	—	—	—	—	—	—	60.0	18.4	0.3	—	78.7
»	15	—	0.4	0.1	—	—	—	—	—	—	—	—	—	1.6
»	16	—	—	2.8	61.4	2.1	0.1	0.1	—	—	—	—	—	78.3
»	20	—	—	—	—	—	—	—	—	—	—	—	—	38.9
»	24	—	—	—	—	5.3	0.1	—	—	—	—	—	—	5.4
»	28	—	0.1	0.1	—	—	—	—	—	—	—	—	—	0.2
»	29	—	—	—	—	—	—	—	—	—	—	—	—	0.4
»	30	—	—	—	—	—	—	1.0	1.9	—	—	—	—	2.9
May	10	0.1	—	—	0.3	—	—	—	—	—	0.6	0.1	4.2	5.3
»	11	—	—	—	—	—	—	—	—	—	—	—	—	0.1
June	5	—	—	—	—	—	—	14.7	0.2	0.4	0.1	—	—	15.4
»	6	—	—	—	—	—	—	—	—	—	11.5	0.5	0.3	12.3

RAIN IN MILLIMETRES.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
June 7	0.2	0.1	—	0.1	—	—	—	—	—	—	—	—	—
» 14	—	—	—	—	—	—	—	—	—	—	—	—	—
» 21	—	—	—	—	—	—	—	—	—	—	—	—	—
» 22	—	—	—	0.1	—	—	—	—	—	—	—	—	—
» 29	—	—	—	—	—	—	—	—	—	—	—	—	—
» 30	0.5	—	—	—	—	—	—	—	—	—	—	—	—
July 3	—	—	—	0.7	3.7	0.3	1.0	0.2	—	—	—	—	—
» 4	—	—	—	—	—	—	—	—	—	—	—	—	—
» 5	0.2	—	—	—	—	—	—	—	—	—	—	—	—
» 23	—	—	—	—	—	—	—	—	—	—	—	—	—
» 24	—	—	—	—	—	2.7	0.5	0.1	—	—	—	—	—
» 30	—	—	—	—	—	—	—	—	—	—	—	—	—
» 31	3.2	0.6	—	—	—	—	—	—	—	—	—	—	—
August 6	—	—	—	—	—	—	—	—	—	—	—	—	—
» 7	—	—	—	—	—	—	—	—	—	—	—	—	—
September 8	—	—	—	—	—	—	—	—	—	—	—	—	—
November 4	—	—	0.4	—	—	—	—	—	—	—	—	—	—
» 5	—	—	—	—	—	—	—	—	—	—	—	—	—
» 6	—	—	0.1	0.2	—	—	—	—	—	—	—	—	—
» 7	—	—	—	—	—	—	—	—	—	—	—	—	—
» 10	—	—	—	—	—	—	—	—	—	—	—	—	—
» 12	—	—	—	—	—	—	—	—	—	—	—	—	—
» 15	—	—	—	—	—	—	—	—	—	—	—	—	—
» 20	—	—	—	—	—	—	—	—	—	—	—	—	—
» 25	—	—	—	0.9	—	—	—	—	—	—	—	—	—
» 26	—	—	—	—	—	—	—	—	—	—	—	—	—
» 28	—	—	—	—	—	—	—	—	—	—	—	—	—
» 29	0.2	0.2	0.4	—	—	—	—	—	—	—	—	—	—
December 2	—	—	—	—	—	—	—	—	—	—	—	—	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
June 7	—	—	—	—	—	—	—	—	—	—	—	—	0.4
» 14	—	—	—	—	—	—	—	2.9	12.2	0.9	0.2	0.1	16.3
» 21	0.1	0.3	—	—	—	—	—	—	—	—	—	—	0.4
» 22	—	—	—	—	—	—	—	—	—	—	—	—	0.1
» 29	—	—	—	—	—	—	—	—	—	—	—	1.4	1.4
» 30	—	—	—	—	—	—	—	—	—	—	—	—	0.5
July 3	—	—	—	—	—	—	—	—	—	—	—	—	5.9
» 4	—	—	—	—	—	—	—	—	22.8	27.1	2.4	0.1	52.4
» 5	—	—	—	—	—	—	—	—	—	—	—	—	0.2
» 23	—	—	—	—	—	—	—	—	—	12.3	0.6	—	12.9
» 24	—	—	—	—	—	—	—	—	—	—	—	—	3.3
» 30	—	—	—	—	—	—	—	—	—	—	—	1.6	1.6
» 31	—	—	—	—	—	—	—	—	—	—	—	—	3.8
August 6	—	—	—	—	—	—	—	7.9	4.6	0.1	—	—	12.6
» 7	0.7	7.4	0.1	—	1.0	0.1	—	—	—	—	—	—	9.3
September 8	—	—	—	—	—	—	0.2	0.1	—	—	—	—	0.3
November 4	—	—	—	—	—	—	—	—	—	—	—	—	0.4
» 5	—	—	—	—	—	12.0	8.9	—	—	—	—	—	20.9
» 6	—	13.5	—	—	—	—	—	—	—	—	—	—	13.8
» 7	—	0.7	0.6	—	—	—	—	—	—	—	—	—	1.3
» 10	10.0	2.5	—	—	—	—	—	—	—	0.5	—	—	13.0
» 12	—	6.8	—	—	—	—	—	—	—	—	—	—	6.8
» 15	—	—	—	—	—	—	—	—	—	1.1	—	—	1.1
» 20	—	—	—	—	10.0	10.4	0.8	0.5	—	—	—	—	21.7
» 25	—	—	—	—	—	—	—	—	—	—	—	—	0.9
» 26	—	—	—	0.4	—	0.4	—	—	—	—	—	—	0.8
» 28	—	—	—	—	4.5	0.5	1.0	1.5	0.5	0.5	0.4	0.3	9.2
» 29	—	—	—	0.2	—	—	—	—	—	—	—	—	1.0
December 2	—	5.0	2.1	—	—	—	—	—	—	—	—	—	7.1

RAIN IN MILLIMETRES.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
December 5	—	—	—	—	—	—	—	—	—	—	—	—	—
» 6	—	—	—	—	—	—	—	—	—	—	—	—	—
» 8	—	—	—	—	—	—	—	—	—	—	—	—	—
» 9	0.5	0.2	0.1	—	—	—	—	—	—	—	—	—	—
» 10	—	—	—	—	—	—	—	—	—	—	—	—	—
» 11	—	—	—	—	—	—	—	—	—	—	—	—	—
» 12	—	0.6	0.4	—	—	—	—	—	—	—	—	—	—
» 13	—	—	—	—	—	—	—	1.9	1.0	—	0.1	0.2	—
» 16	—	—	—	—	—	—	5.1	5.6	0.1	—	—	—	—
» 17	0.1	0.1	—	—	—	—	—	—	—	—	—	—	—
» 18	—	—	—	—	—	—	—	—	—	—	0.1	—	—
» 25	—	—	—	—	—	—	—	—	—	—	—	—	—
» 26	—	—	—	—	—	—	—	1.3	2.5	7.5	12.9	1.2	—
» 27	—	—	—	2.1	0.7	2.7	2.9	1.8	0.5	1.4	0.2	—	—
» 28	—	—	—	—	3.5	0.1	—	—	—	—	—	—	—
» 29	—	—	—	—	—	—	—	—	—	—	—	—	—
» 30	—	—	—	—	—	—	—	—	—	—	—	—	—
» 31	—	—	—	—	—	—	—	—	—	—	—	17.3	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
December 5	—	2.1	—	—	—	—	—	—	—	—	—	—	2.1
» 6	—	—	0.6	0.8	1.7	4.2	1.1	0.1	0.1	—	—	—	8.6
» 8	—	—	—	—	—	—	0.5	0.1	—	—	1.6	0.4	2.6
» 9	—	—	—	—	5.0	0.1	—	—	—	—	—	—	5.9
» 10	—	—	—	—	18.2	0.1	—	—	—	—	—	—	18.3
» 11	—	—	—	—	—	—	—	—	—	—	1.4	0.3	1.7
» 12	—	—	—	—	—	—	—	—	—	—	—	—	1.0
» 13	0.1	—	—	—	—	—	—	—	—	—	—	—	3.3
» 16	—	—	—	—	—	—	—	—	—	—	—	0.2	11.0
» 17	—	—	—	—	—	—	—	—	—	0.9	0.2	0.1	1.4
» 18	—	—	—	—	—	—	—	—	—	—	—	—	0.1
« 25	—	—	—	—	—	—	—	0.3	0.7	—	—	—	1.0
» 26	0.3	0.4	—	0.1	—	1.2	0.1	0.8	—	—	0.1	0.2	28.6
» 27	—	—	—	—	—	—	—	—	—	—	—	—	12.3
» 28	—	—	—	—	—	—	—	—	—	—	—	—	3.6
» 29	—	—	—	—	—	—	—	2.6	1.0	0.2	0.1	—	3.9
» 30	—	—	—	—	—	5.6	1.2	0.5	0.6	0.1	—	—	8.0
» 31	1.1	0.5	0.1	—	0.1	—	—	—	—	—	—	—	19.1

MAGNETICAL OBSERVATIONS

BATAVIA

1891.

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30′0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	8.1	8.2	7.8	7.9	7.7	7.1	6.9	7.1	7.7	7.6	7.3	7.7	—
	2	8.2	8.2	8.2	8.2	8.1	7.9	7.7	7.9	8.2	9.4	9.5	9.1	—
	3	9.4	9.4	9.4	9.8	9.8	9.2	9.3	9.3	9.3	10.0	10.1	10.8	—
	4	11.0	11.0	10.7	10.8	10.8	10.5	10.5	10.8	11.1	11.5	11.4	11.6	—
	5	11.4	11.4	11.3	11.1	11.0	10.3	10.0	9.9	10.0	10.7	11.4	12.3	—
	6	11.5	11.5	11.3	11.0	10.9	10.9	10.5	11.1	11.3	11.6	11.7	12.4	—
	7	11.5	11.5	11.5	11.5	11.3	9.9	9.4	10.3	10.6	10.3	11.5	12.6	—
	8	11.6	11.6	11.6	11.5	11.5	11.0	10.5	10.3	10.5	10.6	11.0	12.7	—
	9	11.6	11.5	11.5	11.4	11.1	10.5	10.3	11.0	11.0	10.7	11.1	12.7	—
	10	9.3	9.3	9.3	9.1	9.1	8.2	8.1	7.8	7.9	7.9	9.2	9.9	—
	11	8.7	8.9	8.9	8.9	9.1	8.2	7.9	8.9	9.0	9.1	9.9	11.0	—
	12	8.9	9.0	8.9	8.7	8.2	6.6	4.6	4.5	6.6	8.5	9.9	10.6	—
	13	8.7	8.9	8.6	8.6	8.3	8.2	7.9	7.6	7.8	7.6	7.1	8.1	—
	14	8.9	8.9	8.7	8.6	8.6	7.5	7.1	8.2	8.6	9.3	9.8	10.5	—
	15	8.2	8.2	8.2	8.2	7.9	7.6	6.5	6.3	5.8	5.9	7.1	8.1	—
	16	8.4	8.2	8.2	8.2	8.2	8.1	7.4	6.9	6.5	6.2	6.7	7.1	—
	17	7.6	7.8	8.2	7.9	8.2	8.9	7.8	7.0	6.6	5.9	7.7	9.3	—
	18	8.2	8.9	8.7	8.5	8.9	8.7	8.1	6.7	5.9	6.3	6.5	6.0	—
	19	8.2	8.3	8.2	8.2	8.6	9.2	9.1	7.8	7.6	7.6	7.1	7.7	—
	20	9.0	8.7	9.1	9.0	8.9	8.7	7.7	7.0	7.1	7.0	6.8	6.9	—
	21	8.9	8.6	8.5	8.3	8.2	7.1	6.7	6.8	7.0	7.9	8.3	8.2	—
	22	9.1	9.0	8.6	8.5	8.3	7.9	7.0	7.0	9.1	9.1	8.6	8.3	—
	23	9.2	9.1	9.1	8.6	8.7	8.2	7.1	7.5	8.2	9.3	10.5	10.8	—
	24	9.3	9.2	9.0	9.1	8.3	7.6	5.9	5.9	7.1	7.8	9.2	8.9	—
	25	9.2	9.2	9.1	8.9	8.3	7.4	6.5	6.6	6.9	8.1	9.2	10.3	—
	26	9.3	9.4	9.3	9.3	9.3	8.3	7.1	6.8	6.5	7.1	8.4	10.1	—
	27	9.4	9.4	9.3	9.3	9.3	9.1	7.6	6.8	6.8	7.1	8.2	10.0	—
	28	9.3	9.4	9.3	9.3	9.3	9.1	8.6	7.6	7.7	7.8	8.2	9.4	—
	29	9.3	9.3	9.2	8.9	8.6	9.2	7.8	6.9	7.0	6.9	7.7	9.0	—
	30	9.4	9.4	9.3	9.3	9.3	9.1	8.2	7.3	7.5	8.2	8.9	10.6	—
	31	9.5	9.9	9.7	9.4	9.3	8.9	8.1	8.1	8.3	8.9	9.4	10.6	—
Hourly Means.		9.36	9.40	9.31	9.23	9.13	8.68	8.00	7.86	8.10	8.45	9.01	9.78	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	8.9	9.9	10.5	10.6	10.3	9.8	9.3	9.4	9.3	9.1	8.4	8.2	8.53
	2	9.0	9.1	9.1	9.8	10.3	10.2	10.0	10.1	10.0	10.1	9.9	9.4	9.07
	3	11.6	11.7	12.3	12.7	12.4	12.0	11.8	11.6	11.6	11.4	11.1	11.1	10.71
	4	11.5	11.4	11.6	11.4	11.5	12.0	12.2	12.2	11.8	11.7	11.7	11.5	11.34
	5	12.6	12.7	12.6	12.6	12.7	12.7	12.8	12.7	12.6	12.3	12.0	11.0	11.67
	6	12.8	13.8	13.9	13.4	12.7	12.7	12.6	12.2	12.2	11.8	11.7	11.5	11.96
	7	13.4	13.9	13.9	13.3	13.2	12.7	12.6	12.6	12.5	12.2	11.8	11.7	11.90
	8	13.5	13.3	12.7	12.2	11.6	12.0	12.4	12.3	12.3	12.0	12.0	11.6	11.76
	9	12.6	12.8	11.7	10.6	10.3	10.0	10.0	10.0	10.0	9.9	9.8	9.4	10.90
	10	9.4	9.3	9.4	9.3	9.5	9.9	10.0	10.0	9.9	9.7	9.3	9.0	9.16
	11	12.2	11.6	11.6	10.9	10.0	9.8	9.5	9.4	9.3	9.2	9.2	8.9	9.59
	12	11.3	10.3	10.6	10.1	10.3	10.5	10.0	9.9	9.4	9.1	9.0	9.0	8.94
	13	9.1	9.9	9.9	9.1	8.7	8.5	9.1	9.0	9.1	8.9	9.0	8.9	8.61
	14	11.5	11.5	10.6	9.3	9.3	9.4	9.3	9.1	8.9	8.7	8.7	8.6	9.15
	15	9.0	9.9	10.6	10.1	9.3	9.1	9.2	9.1	9.0	9.2	9.0	8.6	8.34
	16	7.1	8.2	10.0	10.9	10.5	10.1	9.8	9.3	9.1	8.9	8.2	8.2	8.35
	17	10.0	10.1	10.6	10.0	8.9	8.7	9.3	9.2	9.2	9.1	9.0	8.2	8.55
	18	7.0	8.7	9.1	10.1	10.0	9.1	9.1	9.2	8.9	8.1	8.6	8.3	8.23
	19	8.5	8.2	9.3	10.2	9.2	9.3	9.4	9.1	9.4	9.3	9.2	8.9	8.65
	20	7.7	9.3	10.5	10.9	10.9	10.3	9.9	9.3	9.3	9.1	9.0	8.7	8.78
	21	7.6	6.9	7.4	8.3	9.3	9.2	9.8	9.9	9.5	9.4	9.3	9.0	8.34
	22	8.4	9.9	10.5	10.2	9.7	9.8	9.4	9.3	9.4	9.2	9.2	9.0	8.94
	23	10.3	9.3	9.0	8.5	9.3	9.9	10.0	9.9	9.8	9.4	9.4	9.1	9.18
	24	10.3	10.9	11.0	10.5	10.0	10.1	9.4	9.5	9.5	9.3	9.2	9.0	9.00
	25	11.0	9.2	9.9	9.3	9.4	10.0	10.5	10.2	10.2	9.8	9.7	9.4	9.10
	26	12.0	13.1	13.3	12.5	11.4	10.3	10.0	9.9	9.9	9.5	9.4	9.5	9.65
	27	11.5	12.0	11.6	10.7	10.2	10.0	10.2	10.2	10.2	10.1	10.0	9.7	9.53
	28	10.9	11.3	11.8	12.2	11.4	10.5	10.3	10.2	10.3	9.5	9.5	9.4	9.68
	29	10.5	11.1	11.1	10.5	10.2	10.0	10.3	10.2	10.0	9.9	9.9	9.4	9.29
	30	12.0	12.8	12.5	11.5	11.4	10.3	10.2	10.2	10.2	9.9	9.8	9.5	9.87
	31	11.6	11.6	11.7	11.0	11.1	10.8	10.5	10.5	10.3	10.1	10.1	9.8	9.97
Hourly Means.		10.48	10.76	10.98	10.73	10.48	10.31	10.29	10.18	10.10	9.87	9.75	9.47	9.57

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0 36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	359	363	359	360	360	362	370	379	379	390	389	387	—
	2	358	360	362	364	365	368	375	379	390	400	408	392	—
	3	346	341	343	345	344	351	359	364	373	384	386	378	—
	4	350	350	351	351	354	355	363	371	383	389	390	384	—
	5	354	354	354	354	354	355	366	382	389	397	400	398	—
	6	363	356	357	364	360	354	360	360	370	374	380	374	—
	7	351	353	350	351	350	353	359	360	374	388	393	388	—
	8	345	346	349	350	349	349	350	357	373	390	397	387	—
	9	354	353	355	357	359	361	365	370	380	392	397	389	—
	10	351	351	352	354	357	361	371	391	402	412	409	395	—
	11	347	350	350	351	354	360	363	365	370	376	373	370	—
	12	355	356	351	360	355	376	379	379	406	416	409	398	—
	13	345	346	346	351	352	354	354	356	369	379	390	379	—
	14	351	352	351	352	354	360	378	386	399	416	408	399	—
	15	335	340	338	344	348	350	357	361	371	381	388	386	—
	16	354	351	358	363	367	367	375	384	405	402	391	392	—
	17	326	329	335	341	328	331	335	350	360	370	366	354	—
	18	360	336	336	335	330	341	340	346	357	370	379	378	—
	19	336	330	336	337	328	324	335	345	355	365	369	364	—
	20	325	337	330	329	325	326	326	326	328	340	344	336	—
	21	335	335	336	344	336	344	350	356	370	380	386	384	—
	22	333	340	344	345	342	347	347	354	363	364	371	369	—
	23	339	337	340	340	341	342	350	357	365	379	384	382	—
	24	344	349	353	346	359	360	365	372	376	373	379	401	—
	25	337	338	339	341	342	345	353	364	379	390	397	392	—
	26	342	342	349	347	343	349	350	357	368	379	388	395	—
	27	349	349	348	348	349	350	357	364	374	389	402	402	—
	28	350	347	347	350	349	354	350	359	370	376	379	383	—
	29	345	349	356	359	359	354	352	355	359	371	380	360	—
	30	350	350	350	352	352	350	347	360	373	383	407	397	—
	31	352	344	345	346	346	346	347	355	364	372	378	380	—
Hourly Means.		346.5	346.3	347.4	349.3	348.7	351.6	356.4	363.4	374.0	383.5	387.6	383.0	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	376	372	364	362	359	351	352	351	354	352	360	359	365.4
	2	379	370	364	360	357	347	351	344	338	333	333	336	363.9
	3	373	372	360	354	348	350	346	348	349	347	351	350	356.8
	4	379	373	366	356	352	354	355	356	354	354	354	355	362.5
	5	392	382	368	357	355	364	360	352	345	356	343	366	366.5
	6	361	356	350	356	352	340	338	347	341	342	355	351	356.7
	7	373	371	364	359	354	350	347	342	340	345	341	345	358.4
	8	378	369	360	353	351	351	351	351	350	350	349	351	358.6
	9	378	369	362	355	359	357	354	354	352	352	350	351	363.5
	10	396	378	371	364	361	360	359	358	355	351	347	340	368.6
	11	373	368	362	355	347	346	348	348	347	350	352	354	357.5
	12	383	383	363	356	351	358	364	364	349	351	355	337	368.9
	13	371	360	351	353	355	354	354	354	353	352	352	351	357.5
	14	387	379	364	350	337	329	326	341	339	344	340	338	361.7
	15	374	364	357	353	354	358	357	360	359	356	352	352	358.1
	16	398	393	392	366	359	351	359	354	364	354	326	291	367.3
	17	354	348	340	326	327	328	327	331	331	330	326	345	339.1
	18	376	368	349	344	333	326	326	326	331	344	332	328	345.3
	19	344	354	340	313	311	309	310	326	311	318	318	321	333.3
	20	336	340	331	323	318	320	322	327	332	340	335	335	330.5
	21	371	364	355	359	349	341	335	339	336	335	335	346	350.8
	22	363	350	342	340	341	337	340	340	336	338	338	342	346.9
	23	373	359	350	345	342	341	355	355	354	351	349	352	353.4
	24	364	349	350	350	345	331	326	316	313	347	331	331	351.3
	25	378	364	356	351	350	345	345	345	342	344	344	343	355.2
	26	387	379	366	355	351	347	345	349	345	349	349	346	357.4
	27	397	383	373	361	357	354	357	356	351	356	351	352	363.7
	28	380	373	364	359	364	357	343	345	349	349	347	341	357.7
	29	363	364	352	347	346	344	350	348	344	351	352	353	354.7
	30	395	379	374	364	357	354	354	351	351	350	352	351	362.6
	31	376	372	369	364	355	347	345	345	342	344	342	344	355.0
Hourly Means.		375.1	367.9	359.0	351.8	348.3	345.2	345.2	345.9	343.8	346.3	343.9	343.8	356.4

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	676	674	675	675	674	677	670	663	663	661	658	654	—
	2	683	682	679	678	677	677	675	652	644	637	644	688	—
	3	680	684	680	679	678	678	671	658	648	645	646	646	—
	4	677	677	675	674	673	674	671	675	668	663	667	672	—
	5	700	701	700	700	699	700	691	683	675	677	677	682	—
	6	711	712	712	710	711	714	712	711	706	699	701	713	—
	7	725	726	726	726	727	731	716	706	701	690	684	687	—
	8	739	738	738	738	739	741	742	735	723	715	701	701	—
	9	743	742	741	739	739	742	738	732	727	721	712	693	—
	10	744	743	743	743	742	745	742	723	720	701	700	710	—
	11	744	743	742	740	739	741	738	722	722	718	715	709	—
	12	738	738	739	736	739	737	738	741	706	695	695	696	—
	13	759	755	755	754	752	754	754	755	750	752	749	753	—
	14	757	755	755	754	753	755	734	721	712	711	711	713	—
	15	763	759	759	755	754	756	761	758	748	736	725	722	—
	16	766	766	762	758	755	755	755	747	736	733	732	732	—
	17	776	772	768	764	770	766	768	787	782	771	766	759	—
	18	771	784	782	784	785	783	787	787	771	765	755	749	—
	19	784	789	787	787	791	790	797	801	795	781	771	769	—
	20	693	681	683	683	686	686	689	671	662	649	635	633	—
	21	662	661	660	659	661	662	656	649	639	628	635	642	—
	22	668	667	664	663	665	667	669	649	634	642	644	635	—
	23	673	674	672	673	669	674	674	666	651	624	621	640	—
	24	675	668	666	668	662	668	663	649	635	628	622	619	—
	25	666	662	662	662	661	668	663	644	625	593	584	599	—
	26	672	669	663	665	665	668	663	640	626	602	578	564	—
	27	668	668	668	668	667	668	673	675	656	641	618	608	—
	28	695	695	693	689	688	682	688	668	655	652	648	635	—
	29	697	695	688	686	683	688	697	701	688	679	656	655	—
	30	710	709	708	704	704	706	703	700	681	668	649	646	—
	31	728	730	727	724	723	724	717	703	689	682	671	679	—
Hourly Means.		714.3	713.5	712.0	710.9	710.7	712.2	710.2	702.3	691.5	682.5	676.5	677.5	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JANUARY.	1	656	657	665	671	683	688	685	685	685	685	684	683	672.8
	2	685	690	691	685	690	693	689	690	691	693	691	688	678.8
	3	658	667	669	676	682	679	679	679	679	674	674	679	670.3
	4	684	696	701	707	710	701	701	701	701	701	701	700	686.3
	5	690	701	708	712	715	709	711	717	718	714	720	710	700.4
	6	718	721	722	728	734	738	736	731	731	731	726	726	718.9
	7	692	708	720	731	736	741	742	743	743	742	743	739	721.9
	8	715	728	743	749	754	749	745	745	745	746	747	743	735.8
	9	691	710	736	737	742	747	745	746	747	747	746	745	733.7
	10	718	727	729	738	736	739	739	741	743	745	749	749	733 7
	11	715	722	731	747	749	745	744	744	744	743	743	740	735.0
	12	718	726	745	752	755	749	749	750	760	759	759	765	736.9
	13	755	755	761	759	763	759	755	757	757	757	758	758	755.7
	14	722	747	757	760	761	763	769	757	757	758	760	760	745.9
	15	731	739	753	763	763	760	760	759	761	765	765	766	753.4
	16	728	723	726	739	753	763	759	763	759	765	782	797	752.3
	17	755	763	776	796	797	792	787	785	785	785	787	781	776.6
	18	748	757	771	776	788	797	792	790	787	784	788	790	778.0
	19	735	730	730	748	751	739	730	709	717	708	701	696	755.7
	20	608	613	628	649	648	672	669	668	666	662	662	661	660.7
	21	653	649	649	647	656	668	671	672	672	674	673	665	656.8
	22	628	627	642	655	662	668	672	674	676	675	675	672	658.0
	23	661	672	688	688	679	676	669	671	674	674	675	674	667.2
	24	635	642	647	661	674	686	688	695	692	682	674	673	661.3
	25	628	665	678	681	681	679	676	679	679	680	679	674	657.0
	26	574	594	633	663	674	679	675	672	675	674	672	671	647.1
	27	617	638	663	696	703	703	696	696	697	695	698	696	669.8
	28	636	649	662	675	688	695	701	697	695	700	701	704	678.8
	29	660	668	675	691	701	704	702	708	712	710	710	709	690.1
	30	655	670	697	722	730	734	733	731	731	732	730	729	703.4
	31	688	702	710	719	723	734	733	731	734	733	733	730	715.3
Hourly Means.		682 5	692.1	703.4	713.6	718.7	720.9	719.4	718.9	719.8	719.1	719.5	718.5	706.7

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30'.0 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	9.0	8.9	8.7	8.9	8.6	8.3	7.1	6.0	5.9	6.2	6.9	8.1	—
	2	8.4	8.6	8.6	8.6	8.6	8.1	7.1	6.3	7.3	7.7	8.3	9.0	—
	3	8.7	8.9	8.7	8.7	8.6	8.2	7.3	6.5	7.5	8.2	8.7	9.9	—
	4	8.7	8.6	8.6	8.5	8.3	7.5	6.5	6.8	8.1	8.9	8.7	8.9	—
	5	9.1	9.1	8.7	8.6	8.6	7.6	6.3	5.8	7.5	8.6	9.8	11.6	—
	6	8.7	8.7	8.6	8.5	7.6	6.5	4.5	5.2	6.3	8.7	10.0	10.6	—
	7	9.4	9.3	9.5	9.4	9.3	8.3	6.5	6.3	6.3	7.6	8.5	9.2	—
	8	8.9	9.1	8.7	8.9	8.7	8.6	7.6	7.0	7.5	8.7	9.8	10.4	—
	9	9.5	9.4	9.3	9.2	8.7	7.5	6.3	6.2	6.9	7.5	8.5	9.6	—
	10	9.3	8.7	8.9	9.2	8.7	7.5	6.7	5.8	7.3	8.4	10.0	10.6	—
	11	8.7	9.2	9.5	9.1	8.7	8.1	6.3	5.8	5.8	6.5	8.6	9.4	—
	12	9.5	9.5	9.1	9.8	9.6	9.3	7.5	6.1	6.2	6.2	8.1	9.9	—
	13	9.2	8.6	9.4	10.4	10.3	9.5	8.3	6.3	6.5	6.3	6.8	7.4	—
	14	8.7	9.1	9.8	9.5	10.2	9.6	8.9	8.6	6.9	7.5	8.2	8.3	—
	15	8.4	9.2	9.9	9.3	9.5	10.6	7.4	6.5	7.5	8.6	8.7	9.2	—
	16	8.7	8.9	8.9	8.7	8.9	8.6	7.5	7.5	8.5	9.2	9.4	9.5	—
	17	9.5	9.6	9.6	9.8	9.6	9.5	8.9	7.4	7.7	8.9	9.8	9.5	—
	18	9.3	9.2	9.3	9.2	8.7	8.6	8.6	8.6	9.3	10.8	11.8	12.6	—
	19	9.2	9.4	9.3	9.2	9.2	8.6	8.5	6.6	7.4	8.4	9.9	10.0	—
	20	9.2	9.2	9.1	9.2	8.7	8.6	7.7	6.3	6.0	7.0	8.5	9.8	—
	21	9.3	9.3	9.2	9.2	9.1	8.6	6.8	6.1	6.1	7.4	9.1	10.7	—
	22	9.5	9.5	9.4	9.4	9.3	8.7	7.9	7.4	7.4	8.1	9.2	11.4	—
	23	9.6	9.6	9.5	9.5	9.3	8.9	7.5	6.3	6.3	6.9	9.2	10.2	—
	24	9.6	9.5	9.3	9.3	9.2	8.7	8.2	7.5	7.9	8.6	10.7	11.9	—
	25	9.9	9.6	9.6	9.5	9.6	9.2	7.6	6.3	5.9	6.3	7.7	9.2	—
	26	9.3	9.3	9.4	9.3	9.4	9.2	8.2	7.0	6.9	7.4	8.7	10.3	—
	27	8.7	9.2	8.6	9.0	9.1	9.2	8.6	7.5	7.0	6.3	8.6	9.3	—
	28	9.2	9.2	9.2	9.3	9.3	9.3	8.6	7.6	6.3	6.5	7.3	8.2	—
Hourly Means.		9.11	9.16	9.16	9.19	9.05	8.60	7.46	6.69	7.01	7.76	8.91	9.81	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	9.4	10.7	10.9	10.7	10.3	9.8	10.1	10.4	9.8	9.5	9.5	8.5	8.84
	2	9.2	9.8	10.3	10.6	10.3	10.3	9.8	9.8	9.8	9.6	9.6	9.2	8.95
	3	10.9	11.2	11.1	10.6	10.2	9.8	9.3	9.2	9.4	9.3	9.2	8.7	9.12
	4	9.4	9.8	10.4	10.8	10.4	10.0	9.8	9.8	9.6	9.5	9.4	9.2	9.01
	5	11.0	11.4	11.7	11.6	10.7	9.9	9.5	9.6	9.6	9.5	9.5	8.6	9.33
	6	11.0	11.5	10.7	10.2	9.8	9.6	9.6	9.6	9.6	9.6	9.3	9.4	8.91
	7	9.6	9.1	9.6	10.0	10.0	9.8	9.8	9.8	9.8	9.6	9.5	8.7	8.95
	8	9.9	9.1	9.0	8.7	9.1	9.6	9.5	9.8	9.8	9.6	9.8	9.6	9.06
	9	9.6	9.8	9.8	9.5	9.8	9.8	9.8	9.8	9.8	9.6	8.9	9.2	8.92
	10	10.9	10.9	10.8	10.1	9.6	9.4	9.6	9.6	9.5	9.6	9.5	9.3	9.16
	11	9.9	10.3	10.3	10.3	10.3	10.0	9.9	9.9	9.9	9.8	9.6	9.3	8.97
	12	12.0	12.2	11.1	9.9	9.8	9.4	9.5	10.2	9.3	8.7	9.3	8.9	9.21
	13	9.0	10.3	10.8	10.9	10.2	9.8	9.8	9.5	9.6	9.6	9.4	9.2	9.05
	14	9.3	10.8	10.9	10.7	10.7	9.9	9.9	9.1	9.6	9.6	8.7	8.7	9.30
	15	9.8	10.9	11.5	12.3	12.2	11.4	11.4	10.9	10.2	9.8	9.3	9.2	9.74
	16	10.3	11.0	11.5	11.0	10.8	10.3	9.9	9.9	9.8	9.8	9.8	9.6	9.50
	17	9.5	9.1	8.7	9.2	9.6	9.8	9.2	9.5	9.6	9.6	9.5	9.6	9.28
	18	12.0	12.0	12.0	11.1	10.8	10.4	9.9	9.8	9.6	9.6	9.5	9.4	10.09
	19	10.0	10.8	10.9	10.3	10.4	10.3	9.8	9.5	9.3	9.3	9.3	9.2	9.37
	20	10.8	10.9	10.9	10.9	10.6	10.3	9.9	9.8	9.8	9.6	9.5	9.3	9.23
	21	10.9	11.0	10.9	10.6	10.7	10.6	10.0	9.9	9.8	9.6	9.6	9.5	9.33
	22	11.0	11.0	10.7	10.0	9.9	10.1	9.9	10.3	10.0	9.9	9.9	9.8	9.57
	23	10.3	10.3	10.2	9.8	10.2	10.0	9.8	9.9	9.8	9.6	9.6	9.5	9.24
	24	11.8	11.4	10.9	10.2	9.8	9.8	9.8	9.6	9.6	9.5	9.6	9.8	9.68
	25	9.8	10.0	9.9	9.8	9.9	10.4	9.9	9.9	9.1	9.4	9.5	9.5	9.06
	26	11.0	11.8	11.1	10.6	10.0	9.9	9.9	9.8	9.6	9.5	9.8	9.2	9.44
	27	10.0	10.9	11.4	11.0	10.9	10.6	9.9	9.9	9.8	9.6	9.6	9.3	9.33
	28	9.1	10.3	11.0	11.1	10.7	10.0	9.9	9.9	9.8	9.5	9.5	9.3	9.17
Hourly Means.		10.26	10.65	10.68	10.45	10.28	10.04	9.83	9.81	9.68	9.55	9.47	9.24	9.24

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	359	360	358	360	362	365	372	377	388	401	410	410	—
	2	358	349	353	355	360	362	367	377	377	388	394	391	—
	3	359	360	363	366	365	365	365	373	384	389	394	386	—
	4	359	363	363	363	365	367	370	374	382	389	392	391	—
	5	362	363	365	364	367	367	370	377	383	391	392	386	—
	6	353	359	363	367	369	376	382	380	387	380	386	382	—
	7	363	359	353	356	357	357	358	368	372	382	390	381	—
	8	358	356	358	360	362	365	371	387	402	405	403	391	—
	9	367	367	366	367	371	376	381	388	397	405	404	405	—
	10	349	335	317	336	345	360	339	368	364	361	362	361	—
	11	348	354	355	358	354	359	367	373	386	387	382	379	—
	12	355	346	373	331	362	359	365	378	373	404	382	368	—
	13	338	329	338	335	338	348	348	373	378	387	378	376	—
	14	366	352	341	352	348	345	346	352	364	365	354	353	—
	15	326	317	329	335	317	332	364	361	370	352	331	310	—
	16	335	335	339	342	341	348	367	371	392	401	398	393	—
	17	344	345	348	344	349	354	364	373	385	400	403	398	—
	18	371	358	348	349	349	349	351	367	376	386	395	392	—
	19	342	339	347	348	350	356	360	373	389	393	391	386	—
	20	351	353	353	353	355	354	358	368	382	388	400	398	—
	21	351	350	350	357	354	355	357	365	381	391	396	389	—
	22	354	358	357	358	358	358	362	374	388	401	404	395	—
	23	355	356	361	362	363	363	367	380	387	402	401	397	—
	24	344	345	348	351	350	354	358	376	395	410	410	402	—
	25	346	343	348	353	347	353	349	363	370	382	395	391	—
	26	353	349	353	355	354	358	362	374	387	405	407	401	—
	27	334	334	339	341	341	348	348	354	366	383	358	362	—
	28	342	345	345	348	351	353	358	370	385	391	392	392	—
Hourly Means.		351.5	349.3	351.1	352.4	353.7	357.4	361.6	371.9	381.8	390.0	389.4	384.5	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	408	401	391	383	372	359	348	344	348	354	347	359	372.3
	2	377	366	364	363	358	353	354	354	354	353	349	358	363.9
	3	381	374	368	367	365	362	360	362	355	358	362	362	368.5
	4	384	384	381	374	371	368	364	365	363	363	360	362	371.5
	5	384	384	374	365	363	367	368	364	360	356	346	345	369.3
	6	377	370	367	363	362	362	361	357	354	349	354	349	367.0
	7	368	365	359	358	356	357	358	358	357	358	357	359	362.8
	8	379.	371	367	368	369	369	367	360	364	364	367	365	372.0
	9	398	387	379	379	381	384	384	381	372	374	360	362	380.6
	10	353	344	344	343	349	349	349	339	348	344	348	354	348.4
	11	377	362	350	350	359	363	359	359	363	364	361	358	363.6
	12	354	341	340	340	345	345	345	334	326	306	329	334	351.5
	13	373	357	337	323	333	344	344	344	348	344	348	360	350.9
	14	348	340	339	338	327	337	344	334	341	345	349	329	346.2
	15	293	290	273	268	268	291	289	296	334	314	327	335	317.6
	16	382	373	373	369	358	353	345	343	339	346	344	346	359.7
	17	371	358	345	338	341	349	337	348	348	349	347	343	357.5
	18	381	366	350	345	353	354	353	346	350	349	348	341	359.5
	19	371	357	344	348	353	357	351	344	344	343	343	355	357.7
	20	386	378	363	355	353	353	348	349	348	348	349	348	362.1
	21	377	368	359	354	351	352	353	349	349	349	346	349	360.5
	22	382	372	364	357	356	356	354	353	353	351	349	349	365.1
	23	386	363	353	348	346	347	340	336	342	344	344	345	362.0
	24	390	374	362	355	353	349	349	350	348	354	346	342	363.1
	25	381	371	358	349	351	354	361	346	347	348	348	348	358.4
	26	388	379	372	367	363	361	358	359	358	359	335	325	365.9
	27	356	353	347	344	343	339	341	338	338	339	339	338	346.8
	28	386	370	355	345	340	344	343	346	344	345	345	344	357.5
Hourly Means.		374.7	364.9	356.4	352.0	351.4	352.8	351.0	348.5	349.8	348.9	348.1	348.7	360.1

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	730	730	729	724	724	724	724	710	696	684	663	674	—
	2	743	746	741	738	733	734	733	722	717	714	706	710	—
	3	730	730	727	724	724	727	727	710	697	693	688	688	—
	4	731	730	729	730	730	732	730	716	703	695	697	699	—
	5	743	741	740	739	739	743	743	729	703	697	690	692	—
	6	741	737	734	731	733	736	731	724	703	701	686	686	—
	7	724	724	729	728	724	728	733	733	707	696	687	689	—
	8	731	734	731	730	729	730	732	720	704	703	708	715	—
	9	730	730	730	730	730	735	734	739	724	715	708	704	—
	10	764	775	779	760	751	750	764	715	717	704	709	720	—
	11	742	739	730	734	735	737	743	730	721	708	696	702	—
	12	740	743	730	751	730	729	736	733	717	686	689	696	—
	13	750	756	750	748	748	743	757	754	740	731	728	720	—
	14	743	754	758	750	748	753	757	750	736	724	724	720	—
	15	769	770	758	754	759	754	748	742	723	731	737	752	—
	16	750	751	750	749	750	749	741	729	715	709	723	720	—
	17	751	750	749	750	749	748	750	757	744	735	731	744	—
	18	751	755	762	762	760	760	758	756	752	743	739	744	—
	19	768	767	762	761	757	760	760	758	740	730	737	747	—
	20	772	771	771	771	771	775	777	785	764	743	720	717	—
	21	777	777	777	771	775	777	784	775	757	748	738	741	—
	22	784	777	783	782	782	786	789	784	781	756	748	748	—
	23	796	796	792	793	791	796	797	798	786	764	760	765	—
	24	806	805	802	801	804	804	803	791	775	762	761	774	—
	25	812	812	805	802	805	805	816	798	791	781	770	764	—
	26	801	802	798	797	798	797	802	803	791	768	752	745	—
	27	829	825	817	815	812	811	819	827	810	786	790	788	—
	28	825	822	821	818	815	815	820	812	804	797	785	780	—
Hourly Means.		761.9	762.5	760.1	758.7	757.4	758.5	761.0	753.6	739.9	728.6	723 9	726.6	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
FEBRUARY.	1	689	701	717	727	737	749	754	754	750	744	748	743	721.9
	2	717	723	716	722	730	737	741	740	738	740	741	732	729.6
	3	688	697	706	717	723	730	731	731	736	733	730	730	717.4
	4	690	691	699	716	730	739	741	742	743	743	744	743	722.6
	5	689	699	712	730	743	747	745	747	748	750	752	751	729.7
	6	692	704	707	717	725	729	731	733	735	737	733	733	721.6
	7	696	697	703	717	730	737	737	737	739	739	740	735	721.6
	8	727	737	734	724	723	728	731	735	733	733	731	731	726.4
	9	720	731	740	741	737	740	744	751	756	756	767	761	735.5
	10	724	726	718	723	730	735	737	746	743	743	743	737	737.6
	11	710	721	727	724	721	724	730	733	733	735	737	741	727.2
	12	710	741	744	741	737	739	743	754	760	777	764	756	735.3
	13	724	740	751	755	757	750	751	754	751	756	756	747	746.5
	14	713	710	728	733	746	750	748	757	753	752	757	767	743.0
	15	750	748	756	760	771	764	761	762	743	760	756	749	753.2
	16	708	710	723	729	739	750	756	758	758	755	754	752	738.7
	17	763	772	777	774	767	757	768	760	760	760	763	764	756.0
	18	753	760	764	762	753	757	764	769	767	767	768	770	758.2
	19	764	781	786	777	766	766	777	782	781	781	780	771	765.0
	20	733	746	751	761	774	780	785	787	786	786	784	783	766.4
	21	751	762	764	762	774	783	785	789	790	791	791	789	772.0
	22	767	778	790	792	794	795	798	801	802	803	803	801	784.3
	23	771	791	802	805	803	807	812	815	812	811	809	808	795.0
	24	791	803	809	815	816	815	813	815	816	812	817	816	801.1
	25	767	777	796	797	798	794	796	805	812	811	806	805	796 9
	26	760	777	805	818	817	815	817	818	819	819	831	838	799.5
	27	788	805	812	812	815	824	828	831	831	830	831	830	815.3
	28	788	791	790	798	810	815	812	814	813	813	812	812	807.5
Hourly Means.		733.7	743.5	751.0	755.3	759.5	762.7	765.6	768.5	768.1	769.2	769.6	767.7	754.5

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30'.0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	9.3	9.3	9.1	9.3	9.5	9.6	8.7	7.0	5.8	6.1	6.4	8.7	—
	2	9.3	9.1	9.3	9.4	9.5	9.7	8.7	7.5	5.7	7.1	8.1	8.8	—
	3	8.6	7.5	9.1	9.5	9.3	7.7	8.0	6.6	6.9	8.3	8.6	10.1	—
	4	8.8	9.1	9.0	9.1	9.1	9.1	9.0	7.2	6.7	7.0	7.5	8.7	—
	5	9.5	9.6	9.8	9.7	9.8	10.1	9.5	8.5	7.1	7.4	8.3	8.7	—
	6	8.2	8.5	9.3	8.7	9.1	8.9	7.4	6.2	6.1	7.2	8.5	9.4	—
	7	9.6	9.6	9.7	9.7	9.3	9.0	8.2	7.5	7.4	8.6	9.8	10.6	—
	8	9.5	9.4	9.4	9.5	9.3	9.0	8.6	8.0	8.5	9.1	9.5	9.7	—
	9	9.4	9.3	9.3	9.1	9.1	8.7	8.0	7.4	8.1	9.1	9.7	10.6	—
	10	9.5	9.5	9.5	9.5	8.9	8.6	8.0	7.2	8.1	8.7	9.1	10.2	—
	11	9.7	9.6	9.6	9.7	9.3	8.6	7.2	6.5	7.4	9.1	10.6	11.4	—
	12	9.6	9.6	9.4	9.4	9.3	8.6	8.0	7.4	7.5	8.5	10.3	11.8	—
	13	9.5	9.4	9.5	9.5	9.5	9.3	9.4	8.0	8.3	8.7	9.9	11.3	—
	14	9.6	9.6	9.7	9.6	9.5	9.6	8.6	7.5	7.5	8.0	8.7	9.7	—
	15	9.5	9.5	9.4	9.5	9.3	9.6	8.3	8.0	7.3	7.4	8.6	9.5	—
	16	9.4	8.9	8.7	9.3	9.1	9.3	9.5	9.5	8.3	7.5	9.5	9.6	—
	17	9.4	9.6	10.2	9.6	9.7	10.4	10.3	8.5	8.6	9.3	9.7	10.2	—
	18	8.5	8.6	9.5	9.6	9.9	10.3	9.9	9.1	8.6	9.0	9.7	10.6	—
	19	9.6	9.7	9.7	9.6	9.6	9.7	8.7	7.4	8.2	8.8	9.8	10.9	—
	20	9.7	9.5	9.6	9.7	9.7	9.7	9.4	7.9	7.3	8.5	9.8	11.3	—
	21	9.6	9.6	9.5	9.6	9.5	9.5	8.6	7.2	7.4	9.0	10.5	11.4	—
	22	9.5	9.1	9.3	9.3	9.3	9.1	8.5	7.3	7.0	7.4	8.9	9.9	—
	23	9.4	9.4	9.3	9.1	9.1	9.1	8.7	7.8	7.9	8.3	8.6	9.1	—
	24	9.4	9.3	8.7	8.7	8.6	7.5	9.5	7.9	7.5	8.6	9.7	10.6	—
	25	9.4	9.6	9.6	10.3	9.3	9.1	8.6	7.4	7.1	7.9	8.6	10.6	—
	26	9.4	9.3	9.3	9.1	8.7	8.6	8.5	7.2	7.0	7.3	8.7	10.7	—
	27	9.1	9.1	9.1	9.0	8.6	8.3	7.7	6.4	6.3	7.5	9.7	10.7	—
	28	9.4	9.3	9.0	9.0	8.7	8.6	8.1	6.7	7.2	8.3	8.7	9.5	—
	29	9.5	9.4	9.4	9.4	9.3	9.1	8.7	8.1	8.5	9.0	9.6	9.6	—
	30	9.1	9.1	9.1	9.0	8.8	9.1	9.0	8.0	7.5	8.6	9.7	10.9	—
	31	8.7	8.8	8.0	8.1	8.1	9.0	9.5	9.1	9.6	9.3	10.2	11.1	—
Hourly Means.		9.31	9.25	9.33	9.34	9.22	9.11	8.67	7.61	7.50	8.21	9.19	10.19	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	9.7	10.5	10.7	10.4	9.9	9.8	9.7	9.6	9.6	9.5	9.5	9.3	9.04
	2	9.8	10.7	11.0	11.7	11.5	11.3	10.4	10.3	10.4	10.7	9.8	9.8	9.57
	3	10.4	10.4	9.8	10.3	10.3	10.2	9.7	9.3	9.5	9.4	9.5	9.7	9.41
	4	10.2	10.7	10.7	10.6	10.9	11.0	10.6	9.3	10.2	9.6	9.3	9.7	9.30
	5	9.3	9.8	10.7	10.7	11.7	11.5	11.0	9.8	9.7	9.5	9.6	9.0	9.60
	6	10.2	9.8	9.9	9.7	10.3	10.5	9.8	9.7	9.6	9.6	9.7	9.6	9.00
	7	10.9	10.7	9.9	9.9	10.3	10.3	9.7	9.3	9.7	8.7	9.7	9.3	9.48
	8	10.4	10.7	10.9	10.6	10.4	10.3	9.9	9.8	9.8	9.6	9.6	9.3	9.62
	9	11.0	11.0	10.7	9.8	9.8	9.8	9.8	9.7	9.7	9.6	9.6	9.6	9.50
	10	10.9	11.5	11.2	10.1	9.7	9.7	9.8	9.7	9.7	9.6	9.7	9.6	9.50
	11	12.1	11.9	11.0	9.8	9.6	9.6	9.7	9.6	9.6	9.6	9.5	9.6	9.60
	12	12.9	12.2	11.3	10.4	9.8	10.3	10.2	9.8	8.7	9.6	9.6	9.5	9.74
	13	12.0	11.9	11.5	10.6	10.3	10.2	9.7	9.3	9.3	9.3	9.5	9.4	9.80
	14	10.9	11.1	11.2	10.6	9.7	9.6	9.6	9.5	9.4	9.5	9.6	9.5	9.49
	15	10.3	11.3	11.5	11.1	10.4	9.8	9.8	9.6	9.5	9.3	9.4	9.1	9.46
	16	10.9	11.8	10.7	10.6	10.6	10.4	9.8	9.8	9.5	8.7	9.7	9.6	9.61
	17	10.3	10.3	10.4	10.4	10.4	9.8	10.1	9.7	9.1	9.6	8.6	8.5	9.70
	18	12.1	10.7	10.6	10.9	10.7	9.6	9.8	9.3	9.4	9.6	9.6	9.6	9.80
	19	11.0	10.9	10.3	9.7	9.8	9.8	9.7	9.6	9.6	9.6	9.4	9.6	9.61
	20	11.9	11.1	10.4	10.2	9.8	9.8	9.8	9.7	9.8	9.6	9.8	9.6	9.73
	21	11.5	11.0	10.7	10.2	9.8	9.7	9.7	9.6	9.6	9.5	9.5	9.6	9.66
	22	10.9	11.0	11.0	9.9	9.7	9.6	9.7	9.7	9.7	9.6	9.6	9.3	9.35
	23	9.3	9.7	10.7	9.4	10.3	10.4	10.6	10.6	10.2	9.6	9.7	9.3	9.40
	24	11.3	10.6	11.8	10.4	10.6	10.3	9.8	10.3	9.8	9.5	9.6	9.5	9.56
	25	11.1	10.7	10.9	10.7	10.4	9.6	10.2	9.8	9.6	9.6	9.5	9.3	9.54
	26	12.2	11.9	11.1	10.6	9.9	10.1	9.9	9.6	9.5	9.3	9.4	9.1	9.43
	27	11.3	11.0	10.6	9.8	9.7	10.2	9.6	9.5	9.6	9.1	9.6	9.5	9.21
	28	9.8	10.5	10.7	9.8	9.7	10.2	9.7	9.7	9.6	9.6	9.5	9.5	9.20
	29	9.5	9.5	9.7	9.8	9.8	9.7	9.7	9.7	9.6	9.5	9.5	9.1	9.36
	30	11.7	11.7	10.9	10.2	9.8	9.7	9.6	9.8	9.6	9.6	9.3	9.7	9.56
	31	10.6	9.6	9.8	9.1	9.5	9.5	9.0	9.5	9.0	8.3	8.5	8.7	9.19
Hourly Means.		10.85	10.85	10.72	10.26	10.16	10.07	9.87	9.68	9.60	9.46	9.50	9.40	9.47

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	359	361	363	364	365	368	368	378	384	394	401	406	—
	2	364	365	366	368	368	371	378	390	450	441	444	438	—
	3	313	304	290	297	304	316	331	344	354	358	371	364	—
	4	345	335	340	344	363	355	344	357	370	360	374	366	—
	5	323	330	326	336	336	341	343	350	373	372	380	382	—
	6	343	385	349	344	343	335	340	350	363	373	371	366	—
	7	344	352	349	349	351	352	355	361	365	371	375	373	—
	8	351	350	352	355	355	358	358	369	381	389	395	393	—
	9	354	356	356	357	359	363	368	384	403	414	421	416	—
	10	356	359	363	359	371	361	360	380	385	389	399	395	—
	11	349	352	354	358	358	362	370	383	392	402	412	416	—
	12	354	357	358	359	359	361	368	385	401	413	416	419	—
	13	346	340	342	341	345	355	335	345	345	356	370	368	—
	14	335	330	336	340	341	344	356	368	382	397	406	405	—
	15	341	342	349	348	350	340	350	355	365	366	377	381	—
	16	352	367	366	344	340	348	354	369	386	406	390	393	—
	17	340	333	337	346	342	343	340	358	365	359	377	381	—
	18	330	342	343	340	340	344	349	349	367	361	375	370	—
	19	339	346	345	345	345	340	355	369	375	392	392	377	—
	20	327	333	336	336	342	350	350	364	380	393	397	394	—
	21	340	347	346	346	349	351	356	373	382	394	402	401	—
	22	349	355	355	354	354	359	371	393	411	421	423	422	—
	23	352	356	355	359	360	364	369	382	397	412	418	413	—
	24	346	361	350	362	374	362	368	376	386	390	391	388	—
	25	349	357	351	360	369	354	359	369	383	392	401	393	—
	26	345	349	347	350	355	357	360	374	387	393	413	416	—
	27	360	356	355	355	355	365	365	373	385	390	398	393	—
	28	354	351	352	349	350	354	357	374	386	396	399	395	—
	29	349	349	349	349	349	351	359	371	384	397	404	401	—
	30	349	351	353	354	356	359	366	379	399	409	419	415	—
	31	345	355	363	371	351	340	354	358	359	368	354	355	—
Hourly Means.		345.3	349.2	348.3	349.6	351.6	352.4	356.6	368.7	382.1	389.3	395.6	393.4	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	396	384	375	369	368	365	366	364	363	364	364	363	373.0
	2	430	422	412	408	402	391	380	377	338	335	335	305	386.6
	3	349	345	426	386	331	335	326	311	298	369	368	332	338.4
	4	356	360	359	345	335	331	323	352	331	328	314	332	346.6
	5	378	363	362	346	332	318	307	332	337	344	335	344	345.4
	6	349	346	335	330	339	343	347	343	340	348	340	349	348.8
	7	371	361	345	333	332	342	346	358	344	368	346	350	353.9
	8	385	378	359	362	364	355	352	349	350	349	356	355	363.3
	9	407	395	381	371	368	364	363	360	358	358	356	354	374.4
	10	389	384	374	367	363	359	356	356	352	350	349	349	367.7
	11	404	385	369	361	361	360	359	359	354	355	352	357	370.2
	12	403	385	373	364	360	355	349	342	359	336	336	340	368.8
	13	366	341	316	294	297	310	308	320	324	328	330	328	335.4
	14	392	374	349	343	340	337	339	344	337	331	335	339	354.2
	15	381	365	349	336	339	333	330	331	335	340	341	350	349.8
	16	374	321	318	317	328	333	328	330	346	333	330	350	351.0
	17	377	365	354	343	330	326	319	326	347	328	351	350	347.4
	18	350	352	345	322	306	326	325	314	326	332	335	331	340.6
	19	366	352	345	344	343	340	335	335	326	328	337	326	349.9
	20	368	359	351	346	341	342	337	339	341	340	335	336	351.5
	21	396	380	365	361	354	351	349	351	345	346	346	348	361.6
	22	411	395	371	358	359	360	359	350	350	349	349	351	372.0
	23	397	388	369	384	361	362	342	370	330	333	340	344	369.0
	24	366	370	339	337	318	327	339	322	334	338	340	340	355.2
	25	376	362	355	341	325	329	321	327	346	340	340	340	355.8
	26	388	375	368	353	350	346	331	337	351	353	350	345	362.2
	27	388	373	371	365	354	347	354	354	345	353	340	346	364.2
	28	386	373	366	360	351	347	345	345	345	345	345	349	361.4
	29	393	382	372	363	355	349	348	346	346	345	345	346	362.6
	30	402	373	364	359	359	361	362	351	341	344	345	340	367.1
	31	352	340	321	317	323	320	322	312	317	331	331	364	342.6
Hourly Means.		382.1	369.3	359.9	351.1	344.8	344.0	340.9	342.2	340.5	343.3	342.5	343.6	357.8

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	720	718	714	712	708	711	718	705	694	686	666	652	—
	2	707	707	705	704	701	700	700	706	671	652	650	651	—
	3	757	757	753	740	729	722	719	712	690	687	683	693	—
	4	734	735	728	726	713	721	731	733	718	714	704	700	—
	5	741	738	735	728	728	726	732	728	711	700	693	692	—
	6	741	708	729	735	735	739	745	735	718	699	693	695	—
	7	738	733	734	735	734	734	733	728	715	701	694	700	—
	8	735	735	734	732	733	732	738	738	721	715	714	709	—
	9	742	740	740	740	739	739	739	714	698	686	680	682	—
	10	738	734	732	735	728	738	742	728	718	708	695	697	—
	11	741	739	739	734	737	739	738	707	688	672	665	665	—
	12	737	734	732	731	732	733	731	721	698	680	669	665	—
	13	742	745	743	742	742	739	751	746	742	722	698	690	—
	14	748	750	748	743	744	742	742	740	727	706	686	684	—
	15	748	748	744	745	743	751	750	760	747	733	713	705	—
	16	753	747	748	761	761	753	752	747	731	715	721	720	—
	17	760	765	758	753	755	754	755	742	728	723	710	714	—
	18	774	762	760	760	760	765	755	755	741	740	728	734	—
	19	761	760	760	760	760	765	760	742	726	707	703	718	—
	20	772	767	764	763	758	754	760	758	735	721	714	721	—
	21	767	761	762	762	762	762	765	754	739	714	708	718	—
	22	757	753	754	748	754	753	754	753	740	733	728	727	—
	23	766	762	761	760	760	760	765	765	753	742	739	742	—
	24	761	754	760	754	750	755	753	742	737	720	715	706	—
	25	751	746	749	747	742	753	754	749	728	706	686	686	—
	26	754	751	750	749	748	748	754	758	739	728	706	705	—
	27	748	750	749	751	751	752	749	742	726	706	699	707	—
	28	754	754	754	757	756	754	757	742	722	713	710	712	—
	29	767	766	765	764	764	761	767	760	746	728	723	731	—
	30	769	767	767	764	762	758	759	752	736	725	714	715	—
	31	768	758	756	765	764	762	762	761	757	746	748	749	—
Hourly Means.		750.0	746.6	746.0	745.2	743.6	744.4	746.1	739.5	723.9	710.6	701.8	702.7	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MARCH.	1	659	670	686	700	704	709	708	712	713	714	714	712	700.2
	2	659	664	684	690	700	714	727	728	751	748	747	758	701.0
	3	707	720	666	698	734	732	738	754	732	714	718	742	720.7
	4	705	705	707	722	734	740	746	731	741	742	752	735	725.7
	5	701	706	701	707	725	746	751	740	735	731	740	732	723.6
	6	712	726	736	742	741	738	738	742	744	739	742	735	729.5
	7	704	721	734	739	738	737	740	735	742	733	741	737	728.3
	8	708	720	730	726	735	748	751	753	751	749	743	742	733.0
	9	690	707	721	728	735	741	742	743	744	742	742	741	725.6
	10	704	713	725	738	741	742	742	744	747	748	748	744	730.4
	11	679	707	728	734	732	735	738	741	741	742	742	739	721.8
	12	677	711	728	746	746	745	752	754	751	759	755	748	726.5
	13	699	721	745	768	765	754	755	753	753	752	752	752	740.5
	14	687	715	738	745	752	754	754	754	754	755	754	749	736.3
	15	706	715	728	747	755	765	767	765	762	761	760	754	744.7
	16	726	760	765	767	762	761	767	765	762	774	768	754	751.7
	17	726	742	753	760	768	775	775	768	759	767	762	760	751.3
	18	747	761	768	777	782	774	772	781	775	776	774	768	762.0
	19	731	748	756	761	762	767	772	772	778	774	767	773	753.5
	20	741	760	768	773	775	774	775	774	772	772	774	769	758.9
	21	729	749	761	762	761	764	764	765	765	762	761	758	753.1
	22	739	753	767	778	775	769	769	774	774	774	769	767	756.8
	23	753	754	761	753	767	766	780	787	781	778	769	767	762.1
	24	721	728	760	772	781	774	766	774	767	765	762	758	751.5
	25	705	730	749	768	775	775	772	762	753	759	760	758	744.3
	26	725	746	761	776	774	768	774	769	760	758	758	758	750.7
	27	728	744	754	760	767	765	764	761	765	764	768	761	747.1
	28	729	749	757	765	772	772	772	772	773	773	772	768	752.5
	29	741	748	758	759	773	774	774	774	775	774	772	772	759.8
	30	731	752	767	772	772	767	766	772	778	774	772	770	757.5
	31	760	772	781	781	775	775	776	781	779	774	768	758	765.7
Hourly Means.		713.8	729.6	740.1	748.8	754.1	755.5	757.6	758.1	757.3	756.4	755.7	752.9	740.8

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30.′0 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	8.6	9.4	9.6	9.3	9.5	9.0	10.2	8.3	8.5	9.3	10.0	10.7	—
	2	9.3	9.4	9.5	9.4	9.4	9.0	8.3	7.1	6.2	7.3	9.0	9 5	—
	3	9.3	9.2	9.2	9.4	9.3	9.4	9.3	7.3	7.4	8.3	8.8	9.4	—
	4	9.2	9.4	9.5	9.4	9.3	9.0	8.5	8.3	8.3	8.2	8.4	9.0	—
	5	9.0	9.4	9.3	9.3	9.2	9.1	8.8	8.5	8.6	9.2	9.8	10.2	—
	6	9 4	9.3	9.4	9.4	9.3	9.3	9.3	8.3	7.9	8.2	9.0	10 1	—
	7	9.1	9.4	9.2	9.1	9.0	9.0	8.4	7.8	7.8	8.2	9.2	9.9	—
	8	8.3	9.5	9.6	9.4	10.2	10.4	9.4	8.2	8.2	8.3	9.4	10.2	—
	9	8.2	10.9	9.4	9.5	10.0	9.8	9.0	8.3	7.7	7.1	7.8	8.5	—
	10	9.4	9.4	9.4	9.6	9.4	9.3	9.0	7.4	7.1	7.8	8.8	9.0	—
	11	9.4	9.4	10.2	9.5	9.4	9.1	8.4	7.3	7.1	7.7	8.8	9.3	—
	12	9.3	9.1	10.3	10.7	9.6	10.0	10.2	8.4	7.3	7.7	8.4	9.3	—
	13	9.0	10.1	9.6	10.1	10.2	10.1	11.2	8.7	9.2	9.1	8.5	9.0	—
	14	9.5	9.5	9.5	9.5	9.6	9.5	9.0	7.4	7.3	7.8	8.4	9.1	—
	15	9.3	9.2	9.1	9.3	9.1	9.3	9.4	8.2	7.6	8.2	8.1	8.4	—
	16	9.2	9.3	9.5	9.5	9.5	9.6	9.6	8.1	7.0	7.3	7.7	8.5	—
	17	9.0	8.6	8.5	8.4	8.4	9.6	10.2	8.4	7.3	7.4	7.4	7.1	—
	18	7.9	8.8	9.0	8.5	8.8	8 5	8.2	7.1	6.7	7.3	9.0	9.5	—
	19	9.4	9.4	9.3	9.3	9.1	9.1	8.4	7.7	7.3	7.9	9 0	9.1	—
	20	9.3	9.4	9.4	9.4	9.3	9.3	9.2	7.9	7.7	8.3	9.1	9.5	—
	21	9.5	9.3	9.4	8.4	9.0	8.4	7.8	6.8	6.8	7.1	8.2	8.7	—
	22	9.1	9.1	9.0	9.2	8.4	9.0	9.1	7.5	6.8	7.4	8.4	9.1	—
	23	9.0	9.3	9.1	9.0	9.1	9.4	8.4	7.9	7.9	9.0	9.5	9.5	—
	24	9.4	9.1	9.4	9.3	9.1	9.3	9.0	8.1	7.3	8.2	8.6	9.0	—
	25	9.1	9.2	9.3	9.2	9.0	9.1	9.4	7.9	7.0	6.8	7.7	8.8	—
	26	9.0	9.1	9.3	9.2	9.0	9 0	9.1	7.8	6.9	7.9	7.0	7.7	—
	27	9.0	9.1	9.0	9.1	9.0	8 7	8.6	7.3	6.6	7.4	8.5	8.7	—
	28	9.3	9.4	9.5	9.5	9.4	9.4	9.2	7.9	7.7	8.4	9.1	9.6	—
	29	9.2	9.3	9.3	9.3	9.4	9.1	9.1	8.2	7.4	8.4	9.5	9.4	—
	30	9.2	9.4	9.5	9.4	9.4	9.5	10.0	8.6	7.8	7.4	8.1	8.4	—
	Hourly Means.	9.10	9.35	9.38	9.32	9.28	9.28	9.12	7.89	7.48	7.95	8.64	9.14	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	10.8	10.1	9.8	9.3	9.5	9.1	9.4	9.4	9.2	9.0	9.1	9.2	9 43
	2	9.4	9.0	9.4	10.1	10.2	9.8	8.8	9.4	9.0	9.2	9.3	9.2	9.01
	3	9.3	9.1	9.6	9.6	9.5	9.3	9 4	9.3	8.8	9.1	9.2	9.2	9.07
	4	9.3	9.4	9.5	9.5	9.3	9.3	9.4	9.3	9.4	9.1	9.1	9.1	9.09
	5	10.2	10.0	10.2	10.4	10.1	9.5	9.5	9.5	9.4	9.4	9.4	9.2	9.47
	6	9.9	9.5	9.5	9.5	9.5	9.4	9.1	9.2	9.1	9.2	9.3	9.0	9.21
	7	9.8	9.6	9.8	10.1	10.4	9.9	9.5	9.0	9.0	9.1	9.0	8.2	9.15
	8	9.5	10.2	10.8	10.8	10 2	9.3	9.2	9.3	8.5	7.3	8.5	9.4	9.34
	9	9.1	9.2	9.5	9.9	10.0	9.8	9.3	9.0	9.4	8.5	8.8	9.0	9.07
	10	9.4	9.6	10 3	10.4	10.2	9.8	9.5	9.3	9.1	8.8	8.7	9.1	9.16
	11	9.6	9.9	9.9	9.6	9.3	9.5	9.5	9.4	9.4	9.3	9.0	8.8	9.12
	12	9.3	9.4	9.5	9.4	9.5	8.6	9.6	9.3	9.1	9.0	8.4	8.4	9.16
	13	9.2	9.1	9.5	9.5	9.3	10.0	9.4	9.9	9.3	9.4	9.5	9.5	9.52
	14	9.0	9.3	9.4	9.4	9.6	9.5	9.6	9.5	9.3	9.0	9.4	9.0	9.09
	15	8.5	8.5	9.4	10.1	10.1	9.5	9.3	9.2	9.1	9.1	9.3	9.1	9.02
	16	8.7	8.8	9.5	10.0	9.6	9.3	9.4	9.3	9.1	9.0	9.1	9.1	8.99
	17	7.3	8.2	9.4	10.2	10.1	9.4	9.9	10.2	9.3	8.4	8.4	7.3	8.68
	18	9.4	9.3	10.2	10.4	9.5	9.4	9.1	9.0	7.5	9.0	9.1	9.1	8.76
	19	9.3	9.1	9.5	9.6	9.6	9.5	9.3	9.3	9.3	9.3	9.4	9.3	9.06
	20	9.6	10.1	10.1	10.0	9.5	9.0	10.2	9.5	9.0	9.4	8.5	9.1	9.24
	21	10.0	9.4	9.5	9.6	9.5	9.4	9.2	9.1	9.1	9.2	9.4	9.1	8.83
	22	9.0	8.8	9.1	9.0	9.8	9.5	9.3	9.3	9.1	9.0	9.4	9.2	8.86
	23	10.0	10.2	10.7	10.7	10.6	10.6	9.8	9.6	9.4	9.3	9.4	9.3	9.45
	24	9.3	9.4	9.5	10.1	10.2	9.8	9.5	9.5	9.3	9.4	9.3	9.0	9.17
	25	9.3	10 1	10.7	10.2	9.5	10 0	9.5	9.5	9.1	9.0	9.0	9.1	9.06
	26	8.5	9.3	9.5	9.6	9.6	9.6	9.4	9.3	9.1	9.0	9.2	9.1	8.84
	27	8 8	9.3	9.5	9.5	9.8	9.4	9.5	9.3	9.1	9.0	9.3	9.2	8.86
	28	10.2	10.6	10.4	10.4	10.1	9.4	9.2	9.2	9.1	9.0	9.0	9.0	9.33
	29	9.5	10.0	10.1	10.3	10.2	9.5	9.6	9.3	9.2	9.1	9.0	9.2	9.28
	30	8.5	9.4	10 2	10.2	10.1	9.6	9.3	9.0	8.8	9.0	9.0	9.1	9.12
	Hourly Means.	9.32	9.46	9 80	9.91	9.81	9.52	9.42	9.35	9.09	9.02	9.08	9.02	9.11

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	336	323	346	336	316	316	333	330	331	337	348	349	—
	2	317	315	333	333	338	342	334	342	367	337	356	359	—
	3	332	346	336	335	336	335	339	355	364	372	382	384	—
	4	333	339	345	346	349	346	357	369	374	383	393	390	—
	5	341	345	343	344	341	346	349	353	360	374	368	374	—
	6	344	349	343	341	341	347	356	373	383	393	398	397	—
	7	340	340	350	345	346	349	356	371	382	392	393	390	—
	8	331	313	312	320	328	347	361	381	392	400	378	359	—
	9	294	326	311	304	308	326	337	335	340	345	359	349	—
	10	312	322	321	326	335	337	345	361	370	365	363	368	—
	11	350	341	345	341	342	347	357	370	381	387	393	395	—
	12	342	345	345	346	356	357	355	364	379	385	383	380	—
	13	327	342	341	361	361	337	350	342	337	347	360	355	—
	14	345	342	339	337	342	348	348	357	361	372	381	379	—
	15	333	337	341	342	348	351	352	369	371	383	392	391	—
	16	345	342	344	345	343	346	354	364	374	388	397	392	—
	17	342	345	342	351	360	360	367	370	383	389	391	380	—
	18	317	313	290	295	312	317	331	351	359	355	357	366	—
	19	336	345	346	345	345	343	347	357	369	388	392	388	—
	20	346	348	351	354	355	360	364	375	385	395	408	408	—
	21	336	348	352	358	359	358	367	379	381	392	400	395	—
	22	358	358	363	364	366	365	373	380	384	392	384	379	—
	23	355	362	360	361	355	364	369	374	384	407	405	400	—
	24	351	360	356	359	352	362	369	377	389	404	411	408	—
	25	354	359	360	360	360	362	371	379	388	404	404	399	—
	26	342	346	350	350	354	356	358	370	380	394	403	398	—
	27	355	356	355	351	354	355	362	374	388	396	407	402	—
	28	359	356	355	359	364	361	366	369	374	388	397	402	—
	29	360	361	362	360	365	372	378	392	400	405	395	400	—
	30	355	348	351	356	356	361	361	370	379	394	401	391	—
Hourly Means.		339.6	342.4	342.9	344.2	346.2	349.1	355.5	365.1	373.6	382.1	386.6	384.2	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL.	1	326	341	330	286	309	294	320	318	323	331	330	321	326.3
	2	350	340	316	321	325	317	332	326	319	335	321	327	333.4
	3	380	364	345	335	335	328	335	336	333	336	333	330	346.1
	4	383	373	346	343	341	340	340	338	335	337	340	341	353.4
	5	368	364	355	350	346	344	340	333	336	337	338	339	349.5
	6	387	375	361	352	347	345	345	339	339	337	338	343	357.2
	7	386	375	359	349	336	324	299	341	349	340	336	355	354.3
	8	363	346	307	266	287	283	298	308	285	302	298	306	328.0
	9	331	323	317	307	317	311	317	311	303	324	311	322	322.0
	10	371	365	333	348	345	336	332	340	338	340	341	332	343.6
	11	389	373	360	352	348	348	345	338	338	337	341	350	357.0
	12	379	364	346	319	322	337	307	317	333	332	363	323	349.1
	13	346	323	322	322	323	326	338	330	330	342	328	356	339.4
	14	364	359	352	346	340	332	324	316	321	330	345	344	346.8
	15	377	372	355	332	333	339	335	336	341	340	340	345	352.3
	16	380	364	354	346	343	343	341	338	337	337	339	343	354.1
	17	380	350	342	332	316	307	268	234	240	224	255	271	329.1
	18	356	350	332	318	331	333	336	327	336	330	340	338	332.9
	19	373	364	357	348	345	342	345	341	339	341	344	345	353.5
	20	404	393	375	371	376	390	360	307	342	322	317	323	363.7
	21	362	365	367	363	355	351	348	349	348	349	349	353	361.8
	22	371	362	357	357	346	331	332	340	345	364	351	351	361.4
	23	393	387	373	359	349	340	336	336	341	359	349	346	365.2
	24	394	380	368	357	351	346	349	337	345	355	356	354	366.3
	25	390	379	362	351	350	341	327	331	336	340	345	342	362.3
	26	388	374	362	353	350	352	350	348	350	350	355	355	362.0
	27	393	384	374	366	359	358	355	355	353	353	354	357	367.3
	28	403	397	389	376	365	361	360	361	358	357	356	360	370.5
	29	384	370	357	345	344	336	339	342	345	345	346	357	365.0
	30	386	380	366	355	351	351	352	354	354	353	352	351	363.7
Hourly Means.		375.2	365.2	351.3	340.8	339.5	336.2	333.5	330.9	333.1	336.0	337.0	339.3	351.2

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL	1	749	759	742	752	761	758	752	760	754	737	718	712	—
	2	759	758	747	746	744	743	758	751	732	725	706	709	—
	3	748	739	746	749	747	747	749	747	732	721	715	717	—
	4	752	745	742	741	741	744	738	708	701	697	693	698	—
	5	733	732	733	733	734	729	728	719	710	691	693	693	—
	6	735	733	738	739	741	735	734	736	722	710	704	707	—
	7	749	748	742	746	747	745	742	713	691	677	667	677	—
	8	738	752	749	740	735	719	718	698	684	667	677	694	—
	9	741	718	728	734	733	720	727	753	742	730	714	714	—
	10	755	737	740	736	733	734	739	745	735	732	730	732	—
	11	746	752	745	749	749	748	749	740	725	718	710	708	—
	12	759	758	755	751	745	749	758	749	742	729	718	719	—
	13	759	742	742	733	735	749	749	762	755	740	725	729	—
	14	746	749	749	749	748	742	746	742	732	721	710	722	—
	15	754	751	749	747	746	742	744	733	729	719	708	710	—
	16	746	748	748	747	747	744	744	747	735	719	715	718	—
	17	748	746	748	742	738	735	741	748	732	710	703	711	—
	18	742	735	761	752	745	744	741	719	712	712	714	719	—
	19	745	741	741	742	742	745	745	734	722	707	708	722	—
	20	746	746	744	743	742	741	737	742	741	735	734	733	—
	21	757	749	748	747	749	751	755	749	745	734	722	729	—
	22	758	758	756	756	759	758	761	765	765	753	748	753	—
	23	762	758	761	761	767	759	762	768	754	732	725	722	—
	24	774	767	768	768	775	766	768	772	765	747	746	751	—
	25	773	768	767	768	768	767	767	768	761	749	742	742	—
	26	775	772	767	768	767	765	768	763	756	745	737	741	—
	27	769	769	769	774	771	769	768	774	761	744	735	745	—
	28	781	780	779	776	773	773	774	774	767	758	752	748	—
	29	779	777	775	775	772	765	762	759	752	742	749	746	—
	30	774	779	776	774	774	767	767	762	761	758	754	761	—
Hourly Means.		755.1	752.2	751.8	751.3	750.9	748.4	749.7	746.7	737.2	725.3	719.1	722.7	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
APRIL	1	737	734	745	776	760	767	752	753	755	750	751	755	749.5
	2	732	741	755	746	746	753	749	754	758	747	755	751	744.4
	3	731	740	751	757	761	764	758	755	759	754	754	754	745.6
	4	708	718	732	738	742	741	740	740	742	742	737	734	729.8
	5	707	715	722	730	739	742	742	742	744	742	742	740	726.5
	6	718	730	740	749	754	755	754	754	753	753	752	748	737.3
	7	693	705	713	721	735	749	765	735	732	735	737	729	724.7
	8	706	715	737	763	755	753	745	733	749	746	745	725	726.8
	9	720	720	722	735	739	748	748	755	759	748	754	754	735.7
	10	732	732	746	740	749	758	765	758	759	760	758	761	744.4
	11	720	734	742	749	758	758	758	764	762	763	761	755	744.3
	12	721	735	746	761	763	758	768	765	751	753	739	761	748.0
	13	735	753	755	755	759	754	749	753	755	750	757	742	747.4
	14	733	735	744	748	755	760	765	769	763	758	747	747	745.0
	15	722	727	728	742	749	749	751	749	747	748	749	746	739.1
	16	729	741	740	742	753	754	755	754	755	753	750	746	742.9
	17	717	738	739	748	761	772	790	806	803	808	785	766	751.5
	18	732	734	742	755	749	748	747	756	758	752	742	746	739.9
	19	735	737	735	747	751	752	752	755	755	753	749	748	740.1
	20	732	733	746	756	758	749	765	735	774	779	779	771	748.4
	21	742	747	747	752	761	765	767	767	768	765	765	761	751.8
	22	759	761	762	765	769	781	781	775	775	761	767	765	763.0
	23	731	742	756	773	786	790	788	788	783	775	777	779	762.5
	24	756	762	768	773	780	785	783	788	783	776	774	775	769.6
	25	749	759	768	780	781	784	789	786	785	781	779	776	769.0
	26	746	753	761	768	774	775	776	779	779	778	777	773	765.1
	27	758	765	774	781	789	790	789	789	788	788	786	782	772.0
	28	749	758	769	779	787	788	785	785	785	783	783	780	773.6
	29	759	760	768	775	779	788	783	781	781	781	779	772	769.1
	30	761	762	768	779	783	785	785	785	782	781	779	779	772.3
Hourly Means.		732.3	739.5	747.4	756.1	760.8	763.8	764.8	763.6	764 7	762.1	760.3	757.4	749.3

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30'0 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	9.3	9.4	9.4	9.4	9.3	9.5	10.2	8.5	7.7	7.1	7.1	7.5	—
	2	8.9	9.0	9.2	9.2	9.0	9.4	9.7	9.3	8.2	8.4	8.8	9.3	—
	3	8.9	9.3	9.3	9.4	9.4	9.5	9.7	8.8	7.3	7.2	7.3	8.5	—
	4	9.4	9.4	9.5	9.6	9.5	9.6	9.5	7.7	6.9	7.2	7.8	7.7	—
	5	9.2	9.0	9.0	8.6	8.6	8 9	8.5	7.8	6.7	6.9	7.2	7.7	—
	6	9.4	9.5	9.5	9.6	9.5	9.6	9.5	8.0	7.1	7.1	7.3	7.2	—
	7	9.4	9.4	9.0	9.5	9.6	10.1	10.1	8.1	6.9	6.9	6.5	6.9	—
	8	9.0	8.9	9.4	9.5	9.5	10.6	10.8	9.3	7.7	7.2	7.9	7.2	—
	9	9.4	9.3	9.2	9.4	9.3	9.6	10.2	8.6	7.9	8.1	9.3	9 3	—
	10	9.0	9.3	9.4	9.5	9.5	9.5	9.0	8.0	7.2	7.2	7.3	7.8	—
	11	8.8	8.9	9.0	9.4	9.5	10.0	10.2	9.6	8.4	8.0	8.1	7.7	—
	12	9.2	9.4	9.5	9.4	9.5	10.2	10.8	9.5	8.4	7.7	7.3	7.3	—
	13	8.8	9.0	9.2	9.3	9.0	9.4	9.6	9.3	8.2	7.3	7.1	7.0	—
	14	8.5	9.2	8.5	9.3	8.5	9.4	10.6	9.0	7.6	7.0	7.2	7.8	—
	15	8.4	9.7	10.3	10.6	10.6	10.1	10.0	13 8	8.2	8.1	7.9	8.2	—
	16	10.0	10.6	8.7	9.8	10.6	9.4	9.3	8.1	8.2	7.8	7.3	7.2	—
	17	10.2	9.5	10.0	10.1	10.2	10.4	10.4	8 4	7.8	6.8	6.7	7.2	—
	18	9.3	9.4	9.6	9.5	9.5	10.1	10.1	9.0	8.1	7.7	7.5	7.7	—
	19	9.0	9.4	9.5	9.5	9.5	9.4	9.4	8.2	7.1	7.2	7.2	8.2	—
	20	9.4	9.6	9.6	9.4	9.6	9.5	10.1	9.5	8.8	9.4	8.8	9.3	—
	21	8.9	9.2	9.4	9.0	9.0	9.4	9.7	8.9	9.5	8.0	7.9	8.1	—
	22	9.3	9.3	9 6	9.5	9.4	9.5	10.3	9 5	8.4	8.1	8.1	8.8	—
	23	9.2	9.4	9.3	9.3	9.3	9.4	10.2	9.0	8.4	8.8	8.8	9.3	—
	24	9.4	9.4	9.4	9.5	9.4	9.7	10.2	8.9	7.7	6.9	7.1	7.7	—
	25	9.0	9.2	9.0	9.3	9.3	10.1	10.6	9.5	8.1	7.7	7.3	7.7	—
	26	8.9	9.0	9.0	9.2	9.4	9.5	10 5	9 5	8.7	8.2	8.4	8.8	—
	27	8.9	9.0	9.2	9.3	9.3	9.6	10.1	9.5	8.4	7.7	7.2	7.9	—
	28	8.9	9.0	9.0	9.3	9.4	9.5	9 7	9.4	8.4	7.8	7.3	7.7	—
	29	8.4	9.2	8.7	9.3	8.9	9.4	10.8	10.8	9.5	8.1	7.1	5.9	—
	30	8.7	8.9	8.8	8.8	9.2	9.4	10.0	10 4*	9.6*	9.3*	9.3*	9.0*	—
	31	9.1*	9 3*	9.2*	9.1*	9.2*	9.6*	10.3*	9.3	8.9	7.8	7.2	8.0	—
Hourly Means.		9.10	9.29	9.27	9.41	9.40	9.65	10.00	9.14	8.06	7.70	7.65	7.92	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	8.2	10.1	10.8	10.8	10.4	9.7	9.4	9.4	9.3	8 9	9.0	8.9	9.14
	2	9.4	9.6	10.1	10.5	10.3	9.4	9.0	9.2	8.9	8.9	8.8	8.8	9.22
	3	9.6	10.6	9.8	9.5	9 6	9.4	9.4	8.5	8.9	8.2	8.5	9.3	9.00
	4	8.2	8.9	9.5	9.8	9.5	9.2	9.0	8.5	8.5	8.5	7.2	8.5	8.71
	5	8.4	9.5	10.5	10.3	9.8	9.4	9.0	9.2	8.5	8.9	9.4	9.3	8.76
	6	7.8	9.3	10.2	10.6	10.3	9.6	10.0	8.9	8.9	8.4	9.0	9.2	8.98
	7	7.3	9.3	10.4	10.3	9.7	9.5	9.5	9.3	9.0	8.9	9.4	8.9	8.91
	8	8.8	9.5	10.4	10.3	9.5	9.4	9.4	9.0	8.8	8.5	9.2	9.2	9.13
	9	10.1	10.6	10.2	10.5	9.6	9.5	9.2	9.0	8.8	9.0	9.0	9.2	9.35
	10	8.4	8.8	10.1	10.8	10.6	9.7	9.0	9.2	8.8	8.4	8.4	8.5	8.89
	11	8.2	8.9	10.0	10.6	10.5	9.4	9.3	8.9	8.5	8 6	8.4	9.0	9.08
	12	7.9	8.5	9.5	9.7	10.0	9.3	9.2	8.7	8.5	8.5	8 6	8.8	8.98
	13	7.2	8.9	8.5	9.3	9.4	9.3	9.0	8.4	9.2	8.5	8.4	8.2	8.65
	14	8.6	10.1	10.5	10.6	10.0	9.2	9.4	8.2	8.4	7.8	8.1	7.2	8.78
	15	8.5	9.5	10.3	11.8	14.2	12.4	11.8	10.1	11.6	7.7	8.8	8.1	10.03
	16	7.2	7.3	9.4	10.3	10.5	10.5	9.6	10.3	7.2	8.8	8.7	8.4	8.97
	17	7.8	8.8	9.6	10.2	10.1	9.5	9.5	9.0	9.0	9.0	9.4	9.2	9.12
	18	8.5	9.3	9.6	9.8	10.2	9.5	9.6	9.3	9.2	9.0	8.7	8.9	9.13
	19	9.4	9.7	9.6	10.0	9.6	9.5	9.4	9.3	9.0	8.9	8.5	9.0	8.98
	20	9.4	10.2	10.1	9.6	9.6	9.4	9.0	8.9	8.9	8.8	8.8	8.9	9.36
	21	9.3	9.8	10.2	10.6	10.5	10.1	9.0	9.0	8.6	8.8	9.0	9.2	9.21
	22	9.5	10.2	9.5	9.4	9.2	9.3	9.0	9.0	9.2	9.3	9.3	8.8	9.23
	23	8.4	9.5	9.7	9.6	9.3	9.4	9.0	9.2	9.0	8.9	9.2	9.2	9.20
	24	8.4	8.4	9.4	9.3	9.8	9.7	9.7	9.0	8.6	8.7	8.5	8.5	8.89
	25	8.4	8.6	9.3	10.0	9.7	9.4	9.4	9.3	9.3	9.0	9.0	8.9	9.05
	26	9.2	9.5	9.6	9.6	9.6	9.2	9.0	9.3	8.8	8.5	8.5	8.8	9.11
	27	9.4	10.1	10.5	10.2	9.5	9.4	9.0	8.9	8.5	8.4	8.8	8.5	9.05
	28	9.0	10.5	10.8	10.1	10.2	10.3	10.4	10.8	8.6	8.4	7.8	8.4	9.20
	29	6.2	7.2	8.0	8.4	7.7	8.2	8.5	9.0	8.5	8.5	9.4	8.5	8.51
	30	8.9*	8.9*	9.1*	9.7*	10.0*	9.0*	9.0*	9.0*	9.0*	8.9*	8.9*	8.9*	9.20
	31	8.4	8.9	9.5	9.6	9.5	9.2	8.9	9.0	8.8	8.8	8.9	9.0	8.98
Hourly Means.		8.52	9.32	9.83	10.06	9.95	9.55	9.34	9.12	8.86	8.66	8.76	8.78	9.06

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* From Wild's Magnetometer.

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	352	362	358	356	356	362	370	379	393	403	415	411	—
	2	354	354	359	359	356	359	357	358	369	379	388	386	—
	3	354	355	356	361	359	367	375	384	395	405	410	407	—
	4	334	337	339	345	343	348	358	370	385	397	389	379	—
	5	351	343	336	350	332	338	350	361	358	364	364	347	—
	6	351	357	360	354	359	367	379	389	400	410	408	412	—
	7	326	330	329	328	335	333	348	358	369	369	373	367	—
	8	332	353	348	341	342	352	363	367	374	375	366	353	—
	9	332	336	343	336	345	341	348	360	361	360	359	355	—
	10	342	341	342	343	348	351	360	367	369	363	353	341	—
	11	338	339	342	342	345	350	360	364	374	378	372	370	—
	12	340	343	345	345	348	354	360	369	374	379	384	383	—
	13	346	351	351	355	359	362	375	379	380	389	392	393	—
	14	294	307	313	322	331	337	347	352	361	357	357	340	—
	15	266	279	287	303	307	331	327	265	303	303	342	324	—
	16	232	269	268	262	269	330	339	358	360	351	327	364	—
	17	274	313	293	288	299	294	314	318	345	346	336	315	—
	18	314	312	304	304	312	311	311	318	336	333	332	342	—
	19	317	321	322	323	325	330	330	340	355	364	373	364	—
	20	327	327	330	330	327	331	340	346	348	334	345	351	—
	21	322	323	336	335	338	337	346	352	364	367	357	355	—
	22	327	326	327	332	338	345	357	362	370	368	367	366	—
	23	327	332	336	333	335	337	351	365	368	365	360	361	—
	24	331	331	331	332	335	341	353	369	375	383	377	366	—
	25	326	331	330	331	335	338	350	359	370	373	370	367	—
	26	332	333	334	335	335	340	348	357	369	375	377	375	—
	27	342	345	346	351	356	348	359	369	379	384	388	377	—
	28	350	347	350	361	361	369	389	395	417	424	411	391	—
	29	313	310	321	338	335	324	350	342	346	356	360	373	—
	30	336	333	331	332	338	338	345	354	365 *	367 *	370 *	362 *	—
	31	362 *	359 *	360 *	363 *	351 *	344 *	351 *	360	364	375	388	380	—
Hourly Means.		327.2	332.2	333.1	335.2	337.2	342.2	352.0	357.6	367.6	370.8	371.3	367.0	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	403	394	375	361	351	346	350	344	341	342	345	348	367.4
	2	381	380	370	360	354	353	354	350	345	343	346	351	361.0
	3	381	367	345	331	318	316	310	308	309	333	322	327	354.0
	4	364	355	343	341	337	336	328	321	327	325	357	342	350 0
	5	342	341	337	331	333	342	344	337	343	341	340	354	345.0
	6	393	389	382	360	355	336	284	302	279	317	319	317	357.5
	7	355	341	326	317	326	332	336	335	330	326	329	330	339.5
	8	348	336	323	315	318	329	323	317	317	319	329	333	340.5
	9	347	339	337	322	320	326	333	336	339	340	341	341	341.5
	10	326	323	326	321	319	323	330	332	331	332	337	338	339.9
	11	361	351	342	332	335	342	341	338	345	336	340	337	348.5
	12	377	365	355	350	342	338	340	348	350	347	348	345	355.4
	13	385	377	371	373	360	350	350	322	294	289	339	298	355.8
	14	336	332	331	275	271	293	278	257	199	250	231	240	304.6
	15	328	328	331	274	198	190	183	211	217	208	209	237	273.0
	16	346	330	317	313	269	227	231	246	264	236	246	266	292.5
	17	317	319	310	294	297	298	299	300	302	303	302	308	307.7
	18	333	326	323	314	304	303	307	309	310	310	312	317	316.5
	19	353	342	330	324	319	315	308	317	312	313	312	325	330.6
	20	352	345	329	323	319	322	321	320	319	320	321	323	331.3
	21	354	355	342	318	310	312	313	316	323	325	329	329	335.8
	22	362	354	338	327	324	326	328	328	324	322	322	325	340.2
	23	360	351	342	339	336	326	326	323	322	327	333	332	341.1
	24	361	346	336	332	326	310	310	321	323	324	326	326	340.2
	25	361	352	341	336	331	326	327	328	327	331	327	330	341.5
	26	369	355	345	334	329	335	338	338	338	341	341	342	346.5
	27	369	350	340	328	331	331	331	333	334	335	334	346	350.3
	28	379	368	352	344	322	307	286	291	307	298	318	309	351.9
	29	369	364	364	364	383	380	367	343	333	350	331	338	348.1
	30	354 *	343 *	337 *	346 *	352 *	361 *	356 *	357 *	359 *	358 *	361 *	363 *	350.8
	31	371	355	341	335	326	331	332	332	335	337	337	341	351.3
Hourly Means.		359.3	350.7	341.3	330.1	323.1	321.4	318.2	318.1	316.1	318.6	322.1	324.2	339.0

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* From Wild's Magnetometer.

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	754	750	752	753	754	745	747	755	754	746	732	729	—
	2	756	756	754	754	753	752	754	757	747	735	727	731	—
	3	752	753	753	752	753	745	746	747	742	734	727	727	—
	4	756	754	756	753	758	753	757	753	742	733	739	739	—
	5	752	758	763	759	770	764	765	766	759	743	739	739	—
	6	757	753	754	760	761	753	755	766	754	733	733	731	—
	7	771	770	768	771	767	766	766	769	757	745	745	747	—
	8	767	757	759	767	767	759	757	775	773	767	761	754	—
	9	768	767	766	770	766	766	766	767	765	755	747	746	—
	10	766	767	764	766	764	763	766	772	772	766	759	757	—
	11	771	770	766	766	764	760	761	773	775	774	774	770	—
	12	770	766	766	765	763	758	759	761	767	763	751	745	—
	13	758	754	753	750	749	745	743	753	747	740	737	736	—
	14	778	766	759	750	748	740	739	746	749	748	760	763	—
	15	772	760	758	750	750	738	741	781	758	774	750	742	—
	16	768	742	761	767	768	731	731	720	720	726	743	726	—
	17	772	749	766	772	766	766	760	763	745	746	752	762	—
	18	772	774	778	779	775	772	772	779	766	770	772	771	—
	19	773	771	770	771	770	767	768	767	757	758	750	739	—
	20	770	771	768	772	774	767	761	759	757	759	759	754	—
	21	777	775	768	771	772	770	764	757	743	737	742	739	—
	22	768	768	766	764	762	754	750	755	749	745	745	739	—
	23	768	766	761	763	764	759	757	746	745	745	743	747	—
	24	766	766	764	765	763	757	752	738	739	744	740	736	—
	25	759	757	754	754	754	747	745	752	746	742	739	729	—
	26	764	761	760	759	759	753	753	755	753	752	745	747	—
	27	759	756	753	752	747	752	746	751	745	744	739	740	—
	28	761	763	759	752	750	745	733	730	726	725	729	740	—
	29	768	768	762	750	754	755	742	754	763	762	761	752	—
	30	764	763	761	760	754	746	738	736	730*	743*	732*	740*	—
	31	755*	758*	759*	760*	742*	755*	752*	754*	754	745	731	723	—
Hourly Means.		764.9	761.6	761.3	761.2	760.0	754.9	753.1	756.7	751.6	748.4	745.3	743.2	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
MAY.	1	720	718	733	745	759	765	763	763	763	763	760	759	749.3
	2	742	745	753	758	767	768	763	763	766	764	759	754	753.3
	3	739	750	764	773	784	775	775	775	773	760	763	760	755.1
	4	749	754	760	764	770	774	775	779	773	771	754	759	757.3
	5	731	732	739	757	763	765	764	768	766	767	766	757	756.3
	6	735	739	743	760	773	786	812	801	805	781	775	775	762.3
	7	749	747	759	772	772	773	772	774	780	779	775	773	765.3
	8	743	745	757	767	777	777	781	784	783	781	774	770	766.8
	9	750	759	764	776	780	779	775	775	774	774	773	771	766.6
	10	759	765	759	758	768	775	775	775	775	777	774	774	767.3
	11	760	752	750	759	766	772	772	775	772	777	774	773	767.8
	12	738	729	733	745	758	765	763	758	758	759	760	759	756.6
	13	739	745	752	748	753	764	763	779	791	793	760	779	755.5
	14	759	759	768	791	797	781	784	802	777	783	802	795	768.5
	15	720	716	720	767	825	825	824	833	834	806	781	766	770.5
	16	733	738	747	757	783	828	801	801	794	801	792	778	760.7
	17	754	753	753	763	771	778	780	781	781	781	779	775	765.3
	18	768	772	775	771	784	788	781	781	781	780	777	774	775.5
	19	739	752	767	780	795	788	788	787	786	785	785	774	770.3
	20	753	760	775	784	786	788	785	786	786	784	780	778	771.5
	21	739	738	738	759	775	785	786	781	775	774	769	768	762.6
	22	739	747	763	775	779	780	777	776	777	777	774	772	762.5
	23	746	750	760	763	770	778	777	778	777	775	766	766	761.3
	24	736	737	753	760	770	779	777	770	768	766	764	761	757.1
	25	727	737	747	760	767	773	772	773	773	770	768	766	754.6
	26	744	745	753	765	764	767	765	766	766	764	761	759	757.5
	27	743	750	760	772	779	779	778	777	775	773	774	765	758.7
	28	743	747	763	783	794	795	799	795	783	785	772	774	760.3
	29	751	740	733	738	740	745	754	771	777	767	770	763	755.8
	30	751*	758*	758*	754*	760*	761*	758*	759*	759*	758*	757*	755*	752.3
	31	729	737	746	753	770	775	772	772	771	768	768	766	754.8
Hourly Means.		742.8	745.7	753.1	763.8	774.2	778.4	777.8	779.3	778.0	775.6	771.2	768.3	761.3

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* From Wild's Magnetometer.

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30′.0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	8.8	8.8	8.8	8.8	8.9	8.9	10.1	9.1	8.6	7.9	7.8	8.0	
	2	8.4	8.7	8.7	8.8	8.9	9.0	9.1	8.9	8.3	8.0	8.1	8.0	—
	3	8.7	8.8	8.8	9.1	9.0	9.4	9.8	9.8	9.0	8.6	8.4	8.8	—
	4	8.7	8.7	8.7	8.8	8.9	9.1	9.1	8.6	7.8	7.8	6.8	7.0	—
	5	8.9	8.9	9.1	9.2	9.2	9.8	10.1	9.2	8.6	7.8	7.8	7.4	—
	6	8.4	8.6	8.6	8.9	9.1	9.4	11.1	11.2	8.8	8.0	8.2	7.8	—
	7	8.4	8.9	8.8	9.2	9.1	9.1	9.7	8.9	7.0	7.0	7.6	9.0	—
	8	8.7	8.9	8.9	9.0	9.1	9.5	9.2	8.0	7.4	6.7	7.0	7.6	—
	9	8.2	8.7	9.1	8.9	9.0	9.0	9.2	8.0	7.3	6.7	6.8	6.8	—
	10	8.1	8.6	8.7	8.9	8.9	8.9	9.2	8.2	7.9	8.0	8.1	8.7	—
	11	8.7	8.9	8.9	8.9	8.9	9.0	9.2	8.6	7.5	7.4	7.0	7.0	—
	12	8.2	8.2	8.3	8.6	8.8	9.0	9.8	9.4	8.7	8.0	7.4	7.5	—
	13	8.8	8.7	8.8	8.8	8.9	8.8	9.7	8.9	8.3	8.0	8.0	8.3	—
	14	8.2	8.6	8.6	8.7	8.7	8.8	9.1	8.7	8.1	8.0	8.1	8.7	—
	15	9.5	9.5	9.1	9.7	9.7	9.2	9.4	9.1	9.5	9.8	9.6	9.2	—
	16	8.1	8.1	8.1	8.4	8.6	8.6	9.1	9.2	9.1	9.4	9.6	9.7	—
	17	8.0	7.9	8.0	8.1	8.3	8.9	8.4	8.0	8.1	9.0	8.7	8.4	—
	18	8.1	8.1	8.1	8.2	8.6	8.7	9.2	9.2	9.1	9.0	8.9	8.8	—
	19	8.0	8.8	8.4	8.6	8.7	8.9	9.1	8.1	7.0	5.8	6.3	6.2	—
	20	8.2	8.3	8.2	8.7	8.6	8.7	10.1	9.1	8.1	7.8	7.4	7.5	—
	21	8.0	8.6	8.4	8.7	8.6	9.0	9.5	8.1	7.4	6.8	7.0	7.4	—
	22	8.2	8.2	8.0	8.7	9.2	9.1	10.1	8.9	7.6	6.8	6.8	7.4	—
	23	8.0	8.6	8.7	8.8	8.9	9.1	9.7	8.7	7.6	8.0	7.4	7.9	—
	24	8.1	8.2	8.6	8.7	8.4	9.0	9.1	8.7	7.4	6.8	6.8	7.4	—
	25	8.4	8.2	8.2	8.6	8.7	8.8	9.1	8.1	7.8	7.1	7.1	7.5	—
	26	7.9	7.8	8.4	8.6	8.9	9.0	9.8	9.0	7.9	7.0	6.8	7.4	—
	27	8.1	8.4	8.4	8.4	8.8	9.0	9.8	8.8	8.0	8.1	7.9	8.6	—
	28	8.1	8.7	8.9	8.9	8.9	9.1	9.6	9.1	8.2	8.1	8.0	8.4	—
	29	8.7	8.7	8.8	8.8	8.7	8.8	9.1	8.6	8.0	7.9	7.5	7.6	—
	30	8.0	8.2	8.2	8.6	8.6	8.7	9.0	8.7	8.0	8.0	7.9	8.0	
Hourly Means.		8.35	8.54	8.58	8.77	8.85	9.01	9.48	8.83	8.07	7.78	7.69	7.93	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	8.6	9.1	9.1	8.8	9.0	8.7	8.7	8.6	8.4	8.1	8.1	8.3	8.67
	2	8.0	8.1	9.0	9.1	9.1	8.9	8.6	8.6	8.1	8.4	8.4	8.7	8.58
	3	9.1	9.0	9.0	9.1	8.9	8.4	8.6	8.3	8.0	8.1	8.4	8.4	8.81
	4	7.5	8.7	9.6	9.8	8.9	9.1	8.6	8.7	8.7	8.6	8.8	8.7	8.57
	5	7.4	8.1	8.9	9.0	9.1	8.9	8.8	8.6	8.1	8.2	8.4	8.4	8.66
	6	8.1	9.1	9.2	9.1	9.2	8.4	8.3	8.3	8.2	8.0	8.1	8.7	8.78
	7	9.4	9.7	9.8	9.2	8.9	8.2	8.1	8.1	8.0	8.0	8.2	8.6	8.62
	8	8.0	9.0	9.7	9.2	8.9	8.2	8.0	8.4	8.0	8.1	8.4	8.3	8.43
	9	7.0	8.0	8.8	8.7	8.7	8.6	8.9	8.2	8.1	8.1	8.2	8.0	8.21
	10	9.0	9.0	9.4	9.1	8.9	8.6	8.2	8.3	8.2	8.2	8.4	8.6	8.59
	11	7.5	8.2	9.0	9.0	9.0	8.7	8.2	8.3	8.1	8.4	8.3	8.0	8.36
	12	7.9	8.1	8.6	8.7	8.2	8.1	8.6	8.7	8.4	8.4	8.6	8.7	8.45
	13	8.3	8.7	9.0	9.1	8.9	8.1	8.1	8.3	8.1	8.0	8.1	8.1	8.53
	14	9.0	9.1	9.7	9.1	9.2	7.9	7.5	8.9	8.9	9.0	9.5	9.6	8.74
	15	9.1	9.1	9.1	9.2	9.1	8.4	8.2	8.0	7.9	8.0	8.0	8.1	8.98
	16	9.6	9.1	9.4	9.1	9.1	8.8	9.1	9.1	8.7	8.8	8.4	8.1	8.89
	17	8.0	7.9	8.2	8.9	9.0	8.7	8.1	8.2	8.0	8.0	7.9	8.3	8.29
	18	8.2	8.6	9.0	9.7	9.2	9.1	8.1	8.6	8.1	8.0	8.0	8.0	8.61
	19	7.4	8.0	9.4	9.7	9.8	9.5	8.7	8.8	8.1	8.2	8.1	8.4	8.25
	20	8.7	9.5	9.8	10.3	9.2	8.9	8.6	8.1	8.2	8.2	8.1	8.0	8.60
	21	7.8	8.9	9.1	9.8	9.2	8.7	8.6	8.9	8.2	8.6	8.0	8.2	8.40
	22	7.9	8.6	9.1	9.7	9.2	8.9	8.6	8.4	8.1	8.0	8.2	8.0	8.40
	23	8.7	9.0	9.0	8.6	8.9	8.7	8.1	7.9	8.0	8.2	7.9	7.9	8.43
	24	8.1	9.2	9.7	9.8	8.7	8.3	8.1	8.2	8.4	8.1	8.1	8.1	8.33
	25	8.0	9.2	10.3	9.8	9.4	8.6	8.1	8.0	7.9	8.0	8.1	7.9	8.37
	26	7.9	9.0	9.1	9.0	9.1	8.9	8.7	8.7	8.6	8.0	8.1	8.0	8.40
	27	8.7	9.9	9.8	9.4	8.6	8.0	8.3	7.8	8.0	8.0	8.1	7.8	8.53
	28	8.0	7.9	8.2	9.0	8.9	8.6	8.2	8.1	8.1	8.1	8.1	8.6	8.49
	29	8.1	8.2	8.8	9.0	8.7	8.4	8.3	8.1	8.1	8.1	8.1	8.0	8.38
	30	8.0	8.7	9.1	9.2	8.9	8.1	8.2	8.2	8.1	8.2	8.1	8.1	8.37
Hourly Means.		8.23	8.76	9.20	9.24	9.00	8.58	8.37	8.38	8.19	8.20	8.24	8.29	8.52

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	341	345	347	345	345	344	347	357	362	378	383	385	
	2	345	343	345	345	343	348	355	360	369	380	383	376	—
	3	346	345	341	337	340	346	355	361	370	380	389	380	—
	4	340	342	342	347	349	352	357	365	370	373	383	379	—
	5	326	332	332	336	338	345	354	362	367	376	373	373	—
	6	346	355	364	364	359	364	365	370	380	380	365	365	—
	7	331	331	333	334	340	345	349	351	360	366	369	367	—
	8	341	342	343	342	343	345	355	362	367	366	371	360	—
	9	346	346	345	351	352	362	370	380	389	387	374	369	—
	10	351	348	348	350	351	355	361	369	378	384	389	380	—
	11	348	349	350	350	354	359	370	378	386	393	397	395	—
	12	351	353	355	355	353	357	366	371	379	385	385	376	—
	13	352	353	355	355	357	361	367	371	375	377	388	399	—
	14	351	354	355	355	358	360	364	371	376	379	381	383	—
	15	300	313	323	330	329	342	354	362	362	379	375	357	—
	16	333	333	334	339	336	341	345	350	355	357	360	353	—
	17	312	317	318	326	328	331	340	348	355	357	360	359	—
	18	339	342	342	343	343	349	354	361	370	375	380	376	—
	19	341	335	351	343	345	351	370	380	375	371	371	365	—
	20	342	340	336	351	342	345	356	365	383	380	367	377	—
	21	329	332	332	332	332	337	354	364	369	375	378	379	—
	22	338	340	342	341	341	347	352	378	388	391	395	379	—
	23	345	341	342	342	346	352	364	374	383	392	393	395	—
	24	338	342	346	348	347	349	359	362	367	370	372	367	—
	25	345	345	346	345	347	352	364	379	374	386	384	383	—
	26	338	341	338	340	350	351	359	371	376	384	379	378	—
	27	339	341	341	345	341	341	351	366	383	385	387	388	—
	28	334	332	331	340	341	343	355	367	374	375	380	380	—
	29	342	342	345	346	346	351	362	375	386	389	392	392	—
	30	349	350	350	351	352	355	359	363	369	374	375	366	
Hourly Means.		339.3	340.8	342.4	344.3	344.9	349.3	357.8	366.4	373.2	378.1	379.3	376.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	377	371	360	348	339	336	333	332	335	339	341	342	351.3
	2	372	367	358	351	348	348	351	350	348	346	347	345	355.1
	3	370	364	351	346	345	342	335	327	329	331	336	341	350.3
	4	361	335	338	317	314	305	332	332	331	331	330	329	343.9
	5	367	355	370	364	343	329	331	331	335	340	338	343	348.3
	6	359	348	339	329	322	335	331	327	332	338	339	333	350.4
	7	361	350	341	337	335	337	338	341	341	342	338	341	344.9
	8	351	345	343	338	339	341	341	336	332	336	333	336	346.2
	9	369	371	362	354	342	336	333	343	342	346	346	342	356.5
	10	365	356	351	346	343	345	346	343	345	347	348	347	356.1
	11	386	374	365	355	348	350	350	350	350	351	351	352	363.0
	12	369	362	357	352	352	351	351	349	351	348	350	352	359.6
	13	400	389	381	369	357	354	350	348	346	346	348	351	364 5
	14	377	374	374	411	379	368	372	327	266	250	280	299	352.7
	15	340	329	330	327	332	332	329	327	328	331	331	332	337.3
	16	350	346	343	343	333	326	323	322	317	309	310	310	336.2
	17	351	351	351	341	332	332	332	330	335	338	337	341	338.4
	18	360	357	348	337	338	337	341	336	331	334	340	342	349.0
	19	355	333	327	333	330	333	331	333	332	340	336	341	346.8
	20	371	353	318	317	325	328	332	332	332	329	333	333	345 3
	21	362	352	345	340	338	336	338	337	332	335	343	338	346.2
	22	356	359	341	322	331	336	337	336	338	337	338	342	350.2
	23	381	378	369	357	350	346	345	341	337	336	342	338	357.9
	24	357	348	351	345	360	337	341	341	336	336	338	339	349.8
	25	373	355	342	341	330	336	336	332	328	341	333	333	351.3
	26	355	354	349	342	332	317	317	320	322	328	333	338	346.3
	27	365	358	359	352	337	331	333	342	332	329	315	344	350.2
	28	373	367	353	350	346	343	342	341	343	341	342	342	351.5
	29	384	380	369	361	355	351	348	345	344	345	347	349	360.3
	30	368	369	365	351	346	347	347	346	347	347	350	350	356.1
Hourly Means.		366.2	358.3	351.7	345.9	340.7	338.2	338.9	336.6	333.9	334.9	336.4	338.8	350.5

VERTICAL FORCE. A.

HOURLY OBSERVATIONS — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	765	762	761	763	763	761	759	774	772	757	759	764	
	2	780	781	780	781	781	778	773	766	759	753	752	757	—
	3	778	777	780	783	781	774	768	774	759	753	736	738	—
	4	761	760	760	759	759	755	759	750	745	739	734	738	—
	5	765	759	760	760	760	757	754	756	754	747	750	741	—
	6	760	757	752	752	759	754	752	759	759	757	761	761	—
	7	770	770	767	766	764	761	760	760	746	739	733	727	—
	8	760	759	759	759	760	759	764	768	766	766	752	746	—
	9	770	770	767	766	766	760	759	768	762	764	764	764	—
	10	775	772	770	769	767	761	760	756	745	739	733	734	—
	11	770	768	767	766	761	757	753	740	739	734	730	728	—
	12	758	754	754	753	754	746	740	726	731	731	729	734	—
	13	745	745	743	741	740	739	736	740	742	739	732	729	—
	14	752	751	750	750	747	745	740	736	729	725	718	710	—
	15	760	754	750	750	747	739	733	721	711	694	701	723	—
	16	760	760	759	758	759	754	744	738	731	731	733	743	—
	17	774	769	766	761	759	754	746	735	728	729	733	739	—
	18	760	759	758	758	759	754	750	739	740	745	739	740	—
	19	754	759	750	754	753	750	740	753	761	763	757	757	—
	20	770	770	772	766	771	766	760	750	740	745	745	740	—
	21	766	763	763	764	764	757	746	753	752	742	734	734	—
	22	759	757	757	758	759	752	747	752	752	749	743	752	—
	23	761	761	760	759	759	752	745	739	736	731	724	719	—
	24	764	760	759	757	759	757	752	745	743	745	740	740	—
	25	750	750	747	747	746	740	735	739	739	737	731	724	—
	26	759	756	757	754	747	745	739	750	749	746	741	733	—
	27	765	765	763	759	759	756	747	741	736	738	739	736	—
	28	766	766	766	760	761	758	753	746	743	732	727	731	—
	29	766	766	765	766	765	760	752	743	734	736	733	731	—
	30	763	763	763	761	761	759	759	767	766	763	763	759	
Hourly Means.		763.5	762.1	760.8	760.0	759.7	755.3	750.5	749.5	745.6	742.3	738.9	739.1	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JUNE.	1	774	772	775	785	791	795	794	793	788	787	783	781	774.1
	2	760	770	771	774	783	788	784	786	784	784	781	779	774.4
	3	752	761	767	773	773	774	777	778	774	770	764	761	767.7
	4	739	748	753	768	781	801	770	771	770	767	767	765	759.1
	5	739	743	738	752	772	786	781	780	775	770	768	763	759.6
	6	757	759	766	775	779	777	775	775	773	771	767	771	763.7
	7	728	737	750	759	771	771	768	766	766	766	765	761	757.1
	8	745	743	743	757	770	779	778	781	784	781	781	778	763.7
	9	766	752	754	768	781	788	789	785	785	781	781	778	770.3
	10	739	745	752	761	770	775	773	775	774	773	772	772	760.9
	11	727	735	743	757	766	766	763	763	763	761	759	758	753.1
	12	732	730	737	745	752	752	749	750	749	750	746	745	743.6
	13	727	733	740	753	763	766	761	763	761	759	756	752	746.0
	14	713	720	730	720	739	752	746	771	808	814	784	761	746.3
	15	741	753	757	759	759	761	766	766	764	761	761	760	745.5
	16	746	749	757	760	770	777	777	777	778	781	780	777	758.3
	17	747	752	752	757	766	771	771	771	768	765	766	761	755.8
	18	746	742	735	745	759	766	763	766	768	765	757	753	752.8
	19	761	757	760	760	766	773	779	778	778	773	774	772	761.8
	20	745	752	777	774	772	774	771	770	770	768	767	766	762.5
	21	739	737	740	754	768	768	767	768	768	766	759	760	755.5
	22	757	752	759	772	773	773	771	772	772	771	768	765	760.1
	23	727	729	733	750	759	768	770	770	772	769	767	766	751.1
	24	739	737	736	743	745	764	765	764	763	763	759	753	752.2
	25	733	738	745	753	766	765	763	764	766	761	764	761	748.5
	26	745	745	747	757	767	780	780	777	775	772	767	766	756.4
	27	752	750	749	764	778	779	773	769	773	774	781	759	758.5
	28	739	741	752	759	764	773	773	773	770	768	766	766	756.4
	29	740	742	746	758	768	773	768	770	768	767	766	763	756.1
	30	754	753	743	750	771	780	775	774	773	771	768	770	763.7
Hourly Means.		743.6	745.9	750.2	758.7	768.1	773.8	771.3	772.2	772.7	771.0	768.1	764.8	757.8

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30'.0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	7.7	8.1	8.4	8.4	8.5	8.5	8.3	7.2	6.4	6.3	6.4	7.0	—
	2	8.0	8.3	7.8	7.8	8.4	8.4	8.9	8.5	7.6	7.5	7.6	7.7	—
	3	8.3	8.4	8.4	8.5	8.4	8.5	9.2	8.3	6.7	6.7	7.3	7.8	—
	4	7.5	8.3	8.8	8.6	9.3	9.9	11.0	9.5	7.7	7.1	7.1	6.5	—
	5	8.0	8.1	8.3	8.4	8.5	8.5	9.6	8.5	7.6	7.0	6.5	7.0	—
	6	7.5	7.6	7.6	8.1	8.1	8.4	8.6	7.6	6.4	6.1	6.3	7.6	—
	7	7.5	8.1	8.4	8.6	9.2	9.1	9.4	8.6	7.5	7.2	6.7	6.9	—
	8	7.2	7.3	7.8	7.8	7.6	8.3	8.7	8.6	7.2	6.4	6.1	5.7	—
	9	7.5	7.5	7.7	7.6	7.6	7.7	8.6	7.7	7.2	6.4	6.0	6.5	—
	10	7.6	8.0	7.7	8.1	7.7	8.1	8.7	8.5	7.2	6.5	6.5	6.9	—
	11	7.5	7.7	7.6	7.7	8.0	8.1	9.4	8.8	8.5	8.0	7.6	7.6	—
	12	7.6	7.6	7.6	8.0	7.8	8.1	9.4	8.8	7.5	6.4	6.0	6.2	—
	13	7.7	7.6	7.7	7.8	7.8	8.0	8.8	8.1	7.1	6.8	6.7	7.2	—
	14	7.5	7.6	7.7	7.7	7.8	8.3	9.3	8.6	7.2	6.9	6.4	7.3	—
	15	7.6	7.7	7.6	7.6	7.7	7.7	8.9	8.0	7.3	7.3	8.0	8.5	—
	16	7.5	7.6	7.6	7.3	7.5	7.7	8.3	7.5	6.5	6.2	6.2	6.3	—
	17	7.5	7.3	7.5	7.8	8.1	8.1	8.6	7.7	6.9	5.4	5.1	6.2	—
	18	7.0	7.8	8.1	8.3	8.5	8.7	9.2	7.7	6.2	5.1	4.7	5.2	—
	19	8.0	8.1	8.0	8.4	8.5	8.6	9.1	8.1	7.0	6.4	6.3	6.2	—
	20	7.5	7.6	7.6	8.0	8.0	8.5	9.3	8.4	7.2	6.9	6.2	6.0	—
	21	7.6	8.0	8.0	8.1	8.3	8.6	9.3	8.0	6.4	6.0	6.1	6.2	—
	22	7.6	7.7	7.7	8.0	8.0	8.4	9.2	8.6	7.6	6.9	6.7	7.5	—
	23	7.7	8.1	8.3	8.3	8.4	8.4	9.3	8.5	7.5	6.5	5.9	5.7	—
	24	7.7	8.0	8.0	8.1	8.3	8.5	8.8	8.3	7.1	6.7	6.3	6.1	—
	25	7.6	8.1	8.1	8.3	9.3	8.5	10.5	9.2	8.4	6.5	6.0	6.2	—
	26	7.6	7.5	7.6	7.9	8.3	8.5	9.5	9.3	7.7	6.4	6.3	7.0	—
	27	7.6	8.1	8.1	8.3	8.3	8.6	8.7	7.3	6.0	5.3	6.0	6.2	—
	28	7.7	8.0	8.0	8.1	8.3	8.1	8.3	8.1	7.7	8.3	8.4	8.0	—
	29	7.8	8.0	7.9	8.1	8.3	8.4	8.6	7.5	6.5	6.3	6.1	6.9	—
	30	7.7	8.3	8.4	8.1	8.4	8.6	8.6	7.5	6.9	7.0	7.2	7.6	—
	31	7.7	7.8	8.1	8.3	8.4	8.5	8.7	8.0	6.9	6.8	6.5	6.4	—
Hourly Means.		7.63	7.87	7.94	8.07	8.24	8.40	9.06	8.23	7.15	6.62	6.49	6.78	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	7.4	7.6	8.1	8.3	7.7	7.3	7.5	7.6	7.3	7.8	7.7	7.7	7.62
	2	7.6	7.5	7.7	7.7	7.6	7.3	7.5	7.6	7.6	7.6	7.8	8.0	7.83
	3	8.3	7.7	7.7	7.7	8.1	7.8	7.7	7.7	7.6	7.7	7.5	7.6	7.90
	4	7.3	7.7	7.6	7.5	7.7	7.7	7.6	7.6	7.6	7.7	7.7	8.1	8.05
	5	7.3	7.8	8.6	9.3	8.8	7.7	7.6	7.6	7.6	7.3	7.6	7.5	7.95
	6	8.3	8.5	9.3	9.2	9.4	8.1	7.8	7.6	8.1	8.1	7.2	7.5	7.88
	7	7.0	7.6	8.5	8.8	9.1	8.3	7.7	8.0	7.1	7.0	7.0	7.1	7.93
	8	6.3	7.3	8.3	8.8	8.7	8.1	7.9	7.8	7.7	7.6	7.6	7.6	7.60
	9	6.4	6.9	7.6	8.7	9.3	8.3	7.7	7.8	7.6	7.6	7.6	7.5	7.54
	10	7.5	7.7	8.8	9.3	9.2	8.6	8.6	8.5	7.8	7.6	7.6	7.3	7.92
	11	7.9	8.3	8.6	8.4	8.3	7.7	8.0	8.1	7.8	7.6	7.6	7.6	8.02
	12	7.0	8.1	8.7	8.7	8.7	8.5	8.3	8.3	7.7	7.7	7.7	7.6	7.83
	13	8.1	8.7	9.1	8.8	9.2	8.3	8.0	7.6	7.7	7.5	7.5	7.2	7.88
	14	8.3	8.9	8.7	8.6	8.6	8.7	8.4	8.0	7.6	7.6	7.7	7.6	7.96
	15	9.3	9.3	8.9	8.6	8.3	8.3	8.1	7.8	7.7	7.7	7.6	7.5	8.04
	16	7.0	7.6	9.3	9.7	9.3	8.4	8.0	8.1	7.8	7.6	7.6	7.3	7.66
	17	7.6	9.2	9.7	9.9	9.3	9.6	9.5	8.3	7.8	7.9	7.6	7.2	7.91
	18	6.4	7.5	8.5	8.6	8.7	8.5	8.1	8.1	7.7	7.6	7.8	7.7	7.57
	19	6.4	7.2	8.6	9.3	9.3	8.5	8.0	7.6	7.6	7.5	7.6	7.3	7.82
	20	6.4	8.4	9.4	9.9	9.4	8.3	8.3	8.1	8.3	7.6	7.8	7.5	7.94
	21	6.3	6.4	7.6	8.5	8.8	8.6	8.5	8.5	8.1	7.6	7.6	7.5	7.69
	22	8.4	8.7	9.2	9.3	8.8	7.7	7.7	7.9	7.7	7.6	7.6	7.8	8.01
	23	6.5	7.8	9.2	8.8	8.7	8.5	8.1	7.7	7.6	7.6	7.7	7.7	7.85
	24	6.4	7.3	8.4	8.7	9.4	8.5	8.3	8.1	8.3	8.1	7.7	7.8	7.87
	25	7.1	6.5	7.3	8.5	8.4	7.7	7.6	8.1	8.0	7.3	7.6	7.3	7.84
	26	6.7	7.3	8.3	8.6	8.7	8.1	8.1	8.0	7.7	7.6	7.6	7.5	7.83
	27	6.4	7.0	8.0	8.9	8.9	8.1	7.7	7.9	7.6	7.6	7.7	7.5	7.58
	28	8.0	8.6	8.7	8.7	8.8	8.1	7.7	7.6	7.6	7.6	7.7	7.6	8.07
	29	7.5	8.0	8.7	9.1	8.8	7.8	7.6	7.6	7.6	7.6	7.7	7.6	7.75
	30	7.7	7.6	7.7	8.6	8.9	8.5	7.8	7.6	7.6	7.3	7.5	7.5	7.86
	31	7.0	7.7	8.6	8.7	8.6	8.1	7.6	7.6	7.6	7.5	7.6	8.0	7.78
Hourly Means.		7.27	7.82	8.50	8.78	8.76	8.18	7.97	7.88	7.71	7.60	7.61	7.55	7.84

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	354	350	349	353	354	358	365	368	373	377	379	387	—
	2	353	347	350	359	349	349	358	364	373	378	377	376	—
	3	350	353	355	355	356	358	366	377	391	386	387	391	—
	4	330	329	327	329	329	327	326	324	330	348	363	364	—
	5	324	326	327	329	334	341	348	354	364	368	374	373	—
	6	343	342	343	339	342	345	357	365	373	386	391	386	—
	7	321	316	317	324	326	332	345	357	367	369	373	372	—
	8	329	335	330	333	337	344	361	372	378	379	378	373	—
	9	339	339	339	344	346	350	362	368	374	377	379	378	—
	10	347	348	349	348	349	354	360	368	379	391	392	390	—
	11	334	334	337	341	342	347	351	363	372	379	386	383	—
	12	352	353	353	354	357	359	373	386	400	410	419	406	—
	13	351	353	354	354	355	359	370	383	396	405	405	405	—
	14	359	362	363	364	364	370	382	395	427	420	427	415	—
	15	350	352	353	349	344	344	345	352	360	373	382	382	—
	16	341	339	339	343	344	346	357	368	382	392	395	388	—
	17	341	336	331	339	336	339	346	352	361	364	377	373	—
	18	302	306	311	312	315	326	335	348	355	363	358	354	—
	19	324	325	326	328	330	335	341	353	360	367	372	363	—
	20	330	331	334	335	338	341	348	357	371	374	378	382	—
	21	336	341	345	348	349	353	358	370	380	383	386	384	—
	22	339	341	342	344	345	350	355	364	373	382	379	377	—
	23	339	338	341	342	344	350	363	375	382	393	394	389	—
	24	344	345	345	349	353	358	368	379	387	398	401	398	—
	25	289	302	311	320	317	358	349	359	353	364	358	354	—
	26	329	331	332	334	336	340	350	356	374	386	387	382	—
	27	339	335	338	340	344	349	358	368	375	383	374	369	—
	28	339	339	340	342	342	349	358	367	396	396	392	380	—
	29	340	340	350	344	343	351	358	377	383	387	383	382	—
	30	341	343	339	349	345	349	358	372	387	393	397	378	—
	31	344	346	350	354	357	359	367	370	374	377	381	380	—
Hourly Means.		337.2	338.0	339.4	341.9	342.6	348.1	356.1	365.5	375.7	382.2	384.6	381.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	383	372	367	356	351	355	357	357	355	345	350	353	361.2
	2	367	354	348	346	350	350	348	347	346	346	348	350	355.5
	3	384	376	362	353	349	349	349	351	349	344	325	326	360.1
	4	355	350	336	332	322	325	325	325	323	321	321	324	332.6
	5	367	359	351	341	341	342	343	340	339	340	341	341	346.0
	6	339	379	345	320	320	330	330	335	318	296	305	316	343.5
	7	363	354	339	330	321	324	317	316	327	324	324	329	337.0
	8	363	351	339	330	329	334	334	331	334	336	335	336	345.9
	9	374	363	351	344	339	344	345	344	344	344	345	348	353.3
	10	384	370	350	346	335	327	326	327	327	330	327	331	352.3
	11	373	371	364	360	354	348	343	341	341	344	345	348	354.2
	12	395	374	365	356	351	347	346	348	346	347	348	349	366.4
	13	395	378	359	356	350	350	349	349	350	351	351	357	366.0
	14	407	387	359	363	364	346	343	346	353	348	348	348	373.3
	15	372	365	353	349	345	343	344	342	340	339	336	337	352.1
	16	382	373	365	364	357	353	349	346	341	344	344	342	358.1
	17	349	330	306	277	270	250	239	230	230	254	283	307	313.3
	18	346	335	326	322	322	322	320	320	320	322	322	324	328.6
	19	354	340	332	325	326	331	335	336	336	335	330	330	338.9
	20	372	373	349	335	339	329	331	329	325	326	326	335	345.3
	21	376	360	347	336	329	329	326	324	329	335	335	338	349.9
	22	376	377	370	358	347	346	344	343	342	339	338	336	354.5
	23	377	365	346	341	334	334	334	336	339	340	336	340	353.0
	24	382	377	364	348	322	303	320	315	316	297	281	282	347.2
	25	324	318	316	312	312	321	324	310	315	324	320	326	327.3
	26	377	364	349	336	330	334	331	327	326	334	335	338	346.6
	27	361	348	335	333	332	339	338	336	335	338	339	344	347.9
	28	373	363	351	341	339	339	339	332	336	335	338	336	352.6
	29	373	366	353	348	345	345	344	345	344	344	339	339	355.1
	30	372	367	357	349	349	348	348	351	358	351	350	348	358.3
	31	374	367	358	353	346	346	344	346	347	349	350	348	357.8
Hourly Means.		370.6	362.1	348.8	340.6	336.1	334.9	334.4	333.1	333.3	333.0	332.7	335.7	349.5

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	768	771	769	767	767	766	766	778	766	758	756	752	—
	2	775	778	777	771	777	775	773	780	777	774	764	757	—
	3	772	771	769	771	772	768	762	749	746	743	743	740	—
	4	768	766	767	766	766	765	765	778	772	765	763	761	—
	5	770	768	767	766	766	759	759	758	760	760	754	751	—
	6	757	757	757	759	757	753	747	766	761	750	739	734	—
	7	781	778	772	768	766	761	754	757	752	749	750	754	—
	8	773	768	770	767	766	759	746	752	756	761	761	757	—
	9	773	772	770	767	766	760	752	746	746	745	743	739	—
	10	767	767	766	766	763	758	750	752	745	734	733	734	—
	11	773	772	768	765	763	759	750	753	753	752	757	763	—
	12	772	771	770	768	766	760	744	731	730	728	720	724	—
	13	760	758	757	754	754	751	739	733	716	709	705	709	—
	14	756	754	752	752	752	745	739	735	711	703	704	713	—
	15	765	761	761	763	765	761	760	763	753	740	734	736	—
	16	767	766	766	765	763	759	750	752	740	733	733	734	—
	17	774	778	778	773	772	766	760	746	743	744	735	720	—
	18	754	753	754	757	757	751	751	763	766	761	757	749	—
	19	777	775	773	773	772	768	766	763	763	766	761	773	—
	20	774	774	772	771	768	766	760	759	752	753	754	751	—
	21	766	763	760	759	759	759	757	766	759	757	751	752	—
	22	773	771	770	770	768	765	760	765	766	760	753	745	—
	23	779	778	775	774	774	769	763	774	777	772	775	773	—
	24	787	786	785	781	780	775	771	764	766	759	747	750	—
	25	800	788	781	779	780	753	759	772	784	786	791	787	—
	26	788	786	784	781	780	775	772	777	772	766	764	761	—
	27	788	790	788	786	783	777	773	770	768	760	770	770	—
	28	786	786	784	784	783	779	775	767	745	733	739	751	—
	29	781	782	777	781	782	777	772	759	759	753	749	750	—
	30	778	779	779	775	777	773	772	764	752	747	747	767	—
	31	775	773	770	767	766	764	761	766	766	760	757	758	—
Hourly Means.		773.5	772.3	770.6	769.2	768.7	763.7	759.0	759.9	755.5	751.0	748.7	748.9	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
JULY.	1	747	743	752	765	781	782	778	779	780	783	778	775	767.8
	2	760	767	773	780	780	780	780	781	781	780	776	773	774.5
	3	741	743	747	754	763	770	771	772	770	770	778	773	760.8
	4	756	758	767	770	775	781	780	781	781	779	774	772	769.8
	5	749	752	759	766	773	772	768	768	768	766	761	759	762.5
	6	739	739	759	778	780	786	786	786	792	804	795	784	765.2
	7	754	757	762	767	781	786	788	791	782	781	780	773	768.5
	8	753	765	766	773	777	778	778	779	779	779	779	775	767.4
	9	745	759	760	763	766	771	770	773	774	773	772	768	761.4
	10	739	746	749	753	768	777	785	779	777	778	778	774	759.9
	11	766	761	760	765	768	775	780	781	781	778	777	774	766.4
	12	724	731	739	752	763	766	766	766	766	766	761	760	751.8
	13	716	737	750	751	759	768	767	766	763	764	763	759	746.2
	14	720	738	757	753	760	770	771	767	763	766	766	765	746.3
	15	742	750	759	763	768	772	770	771	773	772	774	771	760.3
	16	742	746	746	759	770	777	777	779	781	778	775	774	759.7
	17	727	735	752	774	787	801	802	804	802	786	766	754	765.8
	18	739	745	757	767	775	779	781	782	781	780	778	777	763.1
	19	768	765	766	774	778	781	779	780	780	779	780	777	772.4
	20	750	731	746	758	767	780	774	774	779	775	774	768	763.8
	21	750	745	752	759	771	779	780	784	781	780	780	775	764.3
	22	745	747	757	767	781	788	785	787	787	786	785	781	769.3
	23	773	773	778	786	789	796	795	795	794	793	793	788	780.7
	24	753	754	760	764	783	805	791	797	798	806	813	807	778.4
	25	793	787	779	781	787	788	788	800	798	794	795	791	785.0
	26	759	766	775	781	793	797	795	798	798	792	791	788	780.8
	27	774	766	761	765	779	787	788	788	787	787	786	784	778.1
	28	756	762	768	781	788	791	788	791	787	787	785	783	774.1
	29	746	752	757	766	779	787	786	784	781	781	781	781	771.0
	30	775	780	775	775	775	785	781	780	775	777	774	775	772.4
	31	754	757	757	759	766	775	775	774	775	773	772	771	766.3
Hourly Means.		750.2	753.5	759.5	766.7	775.2	781.6	780.7	781.8	781.1	780.4	778.7	775.1	766.9

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30′0 + THE NUMBERS IN THE TABLE

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	7.9	8.3	8.3	8.4	8.6	8.6	9.3	8.7	8.5	7.7	7.5	7.5	—
	2	7.6	7.6	7.6	8.3	8.5	8.6	8.9	8.3	7.2	5.9	5.9	6.1	—
	3	7.6	7.8	7.9	8.6	8.4	8.8	7.8	8.6	7.3	6.5	6.3	6.7	—
	4	7.2	7.7	7.7	8.3	8.6	8.9	8.8	7.7	6.1	6.3	6.4	7.2	—
	5	7.7	7.7	7.8	8.1	8.4	8.6	9.5	8.7	7.2	6.0	5.5	6.3	—
	6	7.7	8.1	7.8	8.3	8.4	8.7	9.4	8.4	7.2	6.5	6.5	7.2	—
	7	7.7	7.7	7.8	7.8	7.8	8.4	8.9	7.8	6.5	6.5	6.4	7.1	—
	8	7.6	7.6	7.6	7.7	7.8	7.8	8.6	7.3	6.0	6.0	6.1	6.8	—
	9	7.1	7.5	7.6	7.7	7.8	8.4	8.7	8.3	6.7	6.9	6.5	6.7	—
	10	7.2	7.2	7.6	7.5	7.5	8.3	8.8	7.6	7.1	6.9	6.7	6.7	—
	11	7.3	7.2	7.5	7.5	7.3	8.0	8.7	7.6	7.0	6.5	6.5	7.0	—
	12	7.3	7.6	7.5	7.6	7.8	8.6	8.7	8.3	7.1	6.2	6.1	6.3	—
	13	7.6	7.6	7.7	7.8	7.8	8.1	8.5	7.8	6.5	6.3	5.9	6.0	—
	14	7.3	7.6	7.6	7.6	7.7	8.1	8.4	7.6	6.5	6.1	7.1	7.1	—
	15	7.3	7.1	7.6	7.8	8.5	7.9	8.7	8.3	7.2	6.8	6.5	6.3	—
	16	7.5	7.5	7.7	8.1	8.1	8.4	9.4	7.6	6.4	5.7	5.5	5.3	—
	17	7.7	7.7	7.9	8.0	8.3	8.7	8.8	7.6	6.2	5.6	5.4	6.4	—
	18	7.5	7.6	7.7	8.0	8.1	8.4	8.5	7.1	5.5	6.1	7.2	8.3	—
	19	7.7	7.6	7.8	7.8	7.9	8.3	8.1	7.0	6.1	6.0	5.4	5.4	—
	20	7.6	8.4	7.8	8.4	9.1	8.7	9.8	8.4	7.2	7.0	7.0	7.6	—
	21	7.6	7.7	7.9	8.3	8.3	8.6	9.1	8.5	7.5	6.9	7.0	7.2	—
	22	7.6	7.8	7.9	8.4	8.7	9.4	10.4	8.6	6.5	5.9	5.5	5.3	—
	23	7.2	7.8	7.7	7.7	7.8	8.5	8.8	7.9	6.7	6.2	6.1	6.4	—
	24	7.8	8.1	8.1	8.4	8.4	8.8	8.9	7.7	6.4	6.4	7.0	7.2	—
	25	7.7	7.8	7.9	8.0	8.1	8.8	9.3	7.6	6.7	6.0	5.9	6.2	—
	26	7.6	7.7	7.6	7.6	7.7	8.4	8.7	7.6	6.5	6.1	6.3	7.6	—
	27	7.5	7.6	7.7	7.8	7.8	8.3	8.8	7.5	6.5	6.5	7.2	7.5	—
	28	7.8	7.7	7.8	8.1	8.1	8.4	8.8	7.2	6.4	5.5	4.9	5.4	—
	29	7.6	7.7	7.7	7.2	7.6	8.0	8.3	7.2	6.5	7.6	7.8	7.8	—
	30	6.1	6.2	6.1	5.9	7.5	8.4	7.8	6.5	5.5	5.6	5.9	6.2	—
	31	7.7	6.9	7.0	8.3	8.4	8.8	9.4	8.3	6.8	6.1	6.2	6.7	—
Hourly Means.		7.49	7.62	7.67	7.90	8.09	8.47	8.86	7.85	6.69	6.33	6.33	6.69	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	7.5	7.2	7.3	7.7	8.4	8.3	7.8	7.7	7.7	7.6	7.7	7.6	7.99
	2	6.5	7.6	8.4	8.7	9.4	8.8	8.8	7.8	7.6	7.5	7.5	7.2	7.76
	3	7.1	8.8	9.8	10.1	9.7	9.8	9.1	8.6	7.6	7.7	7.2	7.1	8.12
	4	8.6	9.5	10.8	10.0	9.1	8.3	8.3	7.8	7.7	7.7	7.7	8.6	8.13
	5	7.2	8.3	9.4	9.8	9.5	8.7	8.7	8.4	8.3	7.9	7.9	7.6	8.05
	6	7.8	8.7	9.4	9.4	9.3	8.8	8.6	8.1	7.8	7.7	7.7	7.6	8.13
	7	7.6	7.9	8.9	9.4	9.1	8.8	8.9	8.6	8.3	7.7	7.7	7.5	7.95
	8	7.5	7.6	8.3	8.8	9.5	8.7	8.0	7.8	7.8	7.6	7.1	7.1	7.61
	9	7.2	7.7	8.1	8.6	8.8	8.1	8.1	7.8	7.7	7.7	7.5	7.5	7.70
	10	6.7	7.2	7.9	8.6	8.9	8.7	8.6	8.1	7.7	7.5	7.2	7.1	7.64
	11	7.9	8.8	9.3	9.5	9.7	8.8	8.9	9.1	8.6	7.5	7.3	7.2	7.95
	12	6.5	7.0	7.5	8.4	8.9	8.4	8.1	7.7	7.7	7.7	7.8	7.5	7.60
	13	6.4	6.8	8.3	10.0	10.1	8.4	8.1	8.3	7.7	7.5	7.3	7.5	7.67
	14	7.0	7.3	8.3	8.7	8.6	8.4	7.8	7.5	7.2	7.1	7.0	7.1	7.53
	15	6.7	7.9	9.1	9.8	9.5	8.7	8.6	8.5	7.8	7.7	7.8	7.6	7.90
	16	6.7	8.7	8.8	8.7	8.3	7.8	7.5	7.7	7.1	7.3	7.2	7.5	7.52
	17	6.5	7.2	8.6	8.6	8.4	7.8	8.1	7.7	7.7	7.7	7.7	7.5	7.58
	18	8.5	8.9	9.8	9.5	8.7	7.8	7.7	7.7	7.6	7.5	7.7	7.6	7.88
	19	6.1	6.9	7.8	8.6	8.7	7.8	7.8	7.8	7.7	7.6	7.6	7.5	7.38
	20	7.8	8.3	8.8	8.5	8.1	7.7	7.7	7.6	7.7	7.7	7.7	7.3	8.00
	21	7.2	7.6	8.1	8.5	8.6	7.8	7.7	7.6	7.6	7.7	7.6	7.2	7.83
	22	6.1	7.0	8.1	8.8	8.7	8.3	7.7	7.7	7.6	7.5	7.6	7.6	7.70
	23	6.7	7.5	8.7	8.9	8.8	8.4	7.8	7.8	7.7	7.7	7.8	7.7	7.68
	24	7.5	8.3	8.5	8.8	9.1	8.4	7.8	7.7	7.6	7.7	7.8	7.6	7.92
	25	7.1	8.1	8.6	8.7	8.6	7.7	7.7	7.6	7.6	7.6	7.7	7.6	7.69
	26	8.8	8.8	8.3	8.1	8.1	8.4	7.7	7.6	7.6	7.6	7.7	7.5	7.73
	27	7.6	7.6	8.1	8.7	8.6	8.1	7.7	7.7	7.7	7.6	7.7	7.7	7.73
	28	5.9	6.3	7.9	8.7	9.1	8.3	7.8	7.7	7.5	7.5	7.6	7.6	7.42
	29	8.1	7.7	8.1	8.7	8.9	8.7	8.8	8.4	7.7	7.5	7.0	6.2	7.78
	30	6.5	8.7	8.8	9.1	8.9	8.5	7.7	7.6	7.5	7.5	7.6	6.7	7.20
	31	7.1	7.5	7.7	8.4	9.1	8.7	8.1	8.4	7.7	7.5	7.6	7.5	7.75
Hourly Means.		7.17	7.85	8.56	8.93	8.94	8.38	8.12	7.94	7.70	7.59	7.55	7.42	7.76

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	358	358	363	362	364	366	373	382	390	396	401	400	—
	2	373	375	373	363	368	371	381	396	410	416	425	417	—
	3	362	338	336	338	336	349	359	376	392	396	396	390	—
	4	321	333	333	330	333	356	354	361	364	376	367	362	—
	5	340	348	343	344	347	356	359	369	372	375	373	363	—
	6	343	343	345	344	347	352	364	377	388	391	390	393	—
	7	344	345	348	348	348	352	362	376	385	396	410	412	—
	8	339	339	344	347	348	353	368	377	386	383	381	372	—
	9	339	343	344	349	352	354	361	372	387	391	400	392	—
	10	337	343	341	348	349	355	360	377	377	372	376	369	—
	11	336	340	338	336	344	347	354	369	378	382	386	374	—
	12	326	324	330	335	336	339	353	366	371	378	377	371	—
	13	333	335	339	344	345	348	358	365	376	378	387	381	—
	14	343	344	346	348	349	356	359	365	381	394	377	381	—
	15	343	340	343	340	359	349	364	376	377	382	380	376	—
	16	331	341	330	335	339	348	357	362	371	386	378	378	—
	17	321	338	336	338	336	344	350	358	364	375	371	355	—
	18	338	338	339	338	340	343	350	358	367	377	381	376	—
	19	348	357	354	356	357	361	371	379	381	385	390	382	—
	20	352	341	343	340	336	358	357	366	371	377	386	367	—
	21	338	340	340	344	347	351	360	366	373	377	385	378	—
	22	329	321	330	336	340	338	352	367	377	391	384	378	—
	23	348	343	346	349	351	356	367	381	393	396	396	391	—
	24	349	349	353	352	357	362	368	378	387	396	397	386	—
	25	352	348	356	357	357	362	375	391	404	413	414	406	—
	26	358	358	354	359	362	364	382	398	409	418	418	416	—
	27	354	350	352	349	358	358	367	378	379	378	383	385	—
	28	356	358	362	359	361	366	373	380	386	393	396	387	—
	29	353	356	356	362	364	396	400	410	414	381	377	333	—
	30	301	313	313	321	321	325	333	357	371	359	351	332	—
	31	320	317	325	319	320	332	348	369	378	389	385	370	—
Hourly Means.		341.5	342.5	343.7	344.8	347.5	353.8	362.5	374 3	382.5	387.0	387.7	379.8	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	391	384	376	368	362	366	364	363	362	363	366	368	372.8
	2	412	402	376	360	349	348	357	356	355	358	354	357	377.2
	3	386	370	327	295	311	282	309	314	321	311	329	325	343.7
	4	357	353	347	317	329	336	336	333	335	339	336	339	343.6
	5	362	346	336	333	338	338	338	338	337	339	339	339	348.8
	6	383	369	359	347	340	338	338	339	342	343	343	343	356.7
	7	412	402	387	365	348	338	333	334	334	338	340	339	362.3
	8	364	359	349	336	333	334	337	336	333	331	342	338	351.2
	9	381	376	367	355	347	341	339	348	348	342	333	329	357.9
	10	371	361	357	348	339	318	319	327	331	334	330	327	348.6
	11	359	339	334	330	325	316	306	288	286	312	320	324	338.5
	12	355	358	358	349	331	324	329	334	334	333	322	335	344.5
	13	367	368	357	336	326	335	338	331	336	337	337	340	349.9
	14	371	370	362	352	339	339	346	345	342	344	344	343	355.8
	15	374	362	347	335	329	329	322	320	331	330	329	331	348.7
	16	371	358	352	338	339	338	339	338	339	320	310	320	346.6
	17	349	342	333	327	329	330	329	327	329	332	334	335	340.9
	18	364	353	349	342	345	352	352	350	346	352	343	345	351.6
	19	374	372	371	365	358	352	348	351	353	354	354	353	363.6
	20	368	362	346	334	336	336	334	333	324	317	322	333	347.5
	21	374	368	361	353	347	344	344	349	333	324	319	319	351.4
	22	367	352	352	343	338	338	341	343	342	339	341	339	349.1
	23	383	368	357	349	348	348	349	349	349	349	350	351	361.1
	24	375	368	362	359	357	357	358	358	358	357	354	354	364.6
	25	400	393	380	369	363	363	361	362	361	358	357	358	373.3
	26	405	391	376	359	352	344	346	350	352	353	353	358	372.3
	27	380	378	368	358	353	354	356	356	357	352	355	357	363.1
	28	381	371	362	358	358	358	355	353	357	355	352	348	366.0
	29	300	271	280	275	281	284	271	278	266	257	272	289	326.1
	30	338	331	319	318	322	322	322	322	322	318	319	342	328.8
	31	361	341	319	311	301	302	319	314	326	317	319	319	334.2
Hourly Means.		372.1	362.5	352.5	341.4	337.8	335.6	336.6	336.7	336.8	335.7	336.1	338.6	352.9

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	757	757	755	758	755	754	751	746	747	747	741	741	—
	2	752	751	752	761	754	752	740	745	734	730	726	726	—
	3	761	777	778	774	773	760	754	754	751	752	748	756	—
	4	775	766	765	769	768	752	758	768	771	761	756	755	—
	5	772	768	768	768	767	761	761	764	766	759	758	756	—
	6	771	770	768	769	768	761	754	753	748	747	744	734	—
	7	774	774	769	771	770	766	761	761	743	740	734	734	—
	8	767	766	762	761	760	754	747	746	743	743	739	746	—
	9	761	761	758	756	754	750	747	757	747	746	747	747	—
	10	777	772	770	767	767	760	759	752	740	744	752	755	—
	11	768	766	766	766	762	758	755	752	738	739	738	747	—
	12	768	768	766	761	761	757	754	750	745	742	745	751	—
	13	768	767	765	763	761	758	753	747	743	745	739	745	—
	14	762	765	762	761	761	758	755	762	753	739	744	745	—
	15	775	777	773	775	765	768	761	754	754	745	745	744	—
	16	775	772	775	773	768	762	759	761	760	745	748	749	—
	17	774	766	768	768	768	765	765	773	766	761	764	765	—
	18	782	782	780	782	780	778	776	768	754	739	738	736	—
	19	780	774	774	775	774	772	771	774	773	770	767	765	—
	20	779	782	780	779	778	763	765	766	766	761	750	762	—
	21	777	775	775	773	774	769	762	731	731	732	737	742	—
	22	764	765	755	752	748	745	739	747	756	749	752	747	—
	23	754	753	750	747	745	739	734	723	720	717	719	716	—
	24	747	747	741	743	737	732	731	741	737	734	734	738	—
	25	761	761	754	753	751	744	744	752	757	750	740	747	—
	26	761	761	762	759	754	748	744	743	737	726	721	725	—
	27	761	765	763	761	755	752	750	746	745	738	730	735	—
	28	759	758	755	758	756	752	752	762	764	761	757	757	—
	29	766	766	765	762	764	743	747	737	747	762	769	804	—
	30	765	754	754	754	758	754	754	747	737	739	747	754	—
	31	771	773	767	769	767	757	754	751	747	740	749	754	—
Hourly Means.		767.2	766 4	764.4	764.1	762.0	756.3	753.5	752.7	749.0	745.3	744.5	747.7	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
AUGUST.	1	752	751	747	754	758	761	763	763	764	761	758	754	754.0
	2	721	723	740	756	773	779	771	774	775	772	770	767	751.8
	3	754	754	773	780	775	796	782	782	778	780	774	774	768.3
	4	752	747	750	768	768	774	775	778	777	776	775	774	765.8
	5	750	752	752	759	772	777	777	778	779	778	776	774	766.3
	6	745	754	755	761	772	781	782	782	781	779	775	775	763.7
	7	734	743	732	745	766	776	779	778	777	774	770	768	760.0
	8	750	748	743	746	760	765	766	767	769	771	765	764	756.2
	9	761	760	761	758	761	777	780	778	776	779	785	784	762.1
	10	752	748	756	754	762	784	782	778	773	773	775	775	763 6
	11	756	762	762	762	767	778	782	789	790	778	770	768	763.3
	12	754	749	747	752	765	780	774	772	771	773	779	768	760.5
	13	744	748	743	744	766	771	768	772	768	768	768	765	757.5
	14	754	754	754	754	767	779	775	776	778	777	775	776	761.9
	15	740	747	754	764	779	785	782	787	780	779	779	775	766 1
	16	743	747	754	761	768	777	774	775	774	784	788	777	765.4
	17	766	768	768	775	781	786	788	788	787	786	783	782	773.4
	18	740	753	757	763	769	777	780	782	785	783	782	782	768.7
	19	765	761	757	760	773	786	788	788	784	782	781	781	774.0
	20	763	772	782	791	789	790	789	788	794	795	791	782	777.4
	21	740	743	747	747	759	765	764	763	770	775	775	773	758.3
	22	747	746	740	747	756	760	760	760	761	762	758	758	753.1
	23	715	726	727	734	743	750	750	751	749	749	748	748	737.8
	24	734	733	740	745	750	758	761	761	762	762	761	761	745.4
	25	744	740	745	747	754	763	764	764	762	761	761	761	753.3
	26	741	757	762	768	772	777	775	768	768	765	763	761	754.9
	27	741	738	740	751	761	766	762	761	761	761	760	758	752.5
	28	759	758	754	753	756	767	768	768	767	767	768	768	760.2
	29	811	823	812	800	788	780	787	785	793	796	782	775	777.7
	30	748	747	754	755	764	767	771	772	770	773	772	760	757.1
	31	760	768	773	779	786	788	777	779	775	780	775	773	767.2
Hourly Means.		749.5	752.3	754.2	759.1	767.1	774.8	774.1	774.4	774.1	774.2	772.3	769.7	761.2

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30.′0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	7.9	8.0	8.1	8.6	8.5	9.3	10.2	8.7	6.6	5.6	4.9	5.3	—
	2	6.7	7.7	7.9	7.8	8.6	8.9	9.0	7.8	7.4	6.7	7.4	8.1	—
	3	7.7	7.5	7.9	8.0	8.6	9.0	8.8	7.3	6.2	6.3	6.4	7.2	—
	4	6.7	7.7	7.7	7.8	7.8	8.8	10.0	8.0	7.2	6.9	6.7	7.7	—
	5	8.7	8.8	8.9	9.3	9.5	9.7	9.7	7.8	6.5	5.7	5.7	6.1	—
	6	7.5	7.8	7.9	8.3	8.6	9.5	10.0	9.1	7.8	7.5	7.3	7.4	—
	7	7.9	7.9	7.9	8.1	8.1	8.0	7.9	6.7	6.3	6.2	6.9	7.8	—
	8	7.7	7.7	7.8	8.0	8.0	8.8	8.6	7.8	6.6	6.1	6.2	6.6	—
	9	7.5	7.7	7.8	7.4	7.9	9.0	8.9	8.0	7.4	7.7	7.9	8.2	—
	10	7.3*	7.1*	7.5*	6.4*	6.8*	8.3*	7.5*	8.7*	6.1*	6.4*	5.7*	6.1*	—
	11	6.6	8.3	8.6	8.9	8.9	10.8	10.3	8.1	6.6	5.7	6.5	6.6	—
	12	6.7	5.0	6.7	7.2	7.3	8.9	6.9	6.6	4.9	4.3	5.0	10.0	—
	13	8.2*	8.2*	8.1*	8.2*	8.3*	8.0*	7.6*	6.0*	5.8	6.2	6.1	6.4	—
	14	8.0	7.9	8.5	8.1	8.3	8.8	8.5	6.7	6.2	5.7	6.4	7.2	—
	15	7.9*	8.0*	8.5*	8.1*	8.2*	7.8*	7.4*	6.6*	6.2*	5.1	6.2	6.7	—
	16	7.9	7.9	8.0	8.3	8.3	8.8	7.8	6.2	5.5	5.6	6.6	7.8	—
	17	8.0	8.5	8.6	8.7	8.9	9.6	8.5	6.1	4.7	4.3	6.1	7.4	—
	18	8.1	8.2	8.1	8.5	8.7	9.0	8.3	6.5	5.5	5.6	6.7	8.0	—
	19	8.1	8.2	8.2	8.3	8.3	8.7	7.9	6.1	5.6	5.7	6.3	7.3	—
	20	7.9	8.0	8.0	8.2	8.1	8.8	7.8	5.6	4.1	3.9	5.5	7.7	—
	21	7.9	8.0	8.1	8.6	8.8	9.6	8.9	6.3	4.7	4.1	4.6	5.5	—
	22	7.5	7.3	8.0	8.3	8.8	8.9	8.9	6.7	5.6	5.6	5.7	7.1	—
	23	8.0	7.9	8.2	8.7	8.6	8.9	8.3	6.6	5.6	5.8	6.7	7.7	—
	24	7.5	7.7	7.9	8.5	8.0	7.8	7.2	5.7	4.3	4.5	5.6	6.6	—
	25	7.8	7.9	8.2	8.2	8.7	9.4	8.9	7.1	5.9	5.5	5.4	6.3	—
	26	7.9	7.9	7.9	8.0	8.1	8.9	8.5	7.1	6.3	6.5	6.6	7.8	—
	27	7.4	7.7	7.9	7.7	7.8	8.5	7.3	5.6	4.5	5.0	5.3	6.6	—
	28	7.5	7.7	7.8	7.9	7.8	9.0	9.6	5.4	5.0	5.6	5.7	6.9	—
	29	7.3	7.4	7.8	7.3	7.8	7.7	7.5	6.3	5.5	5.7	5.6	6.3	—
	30	7.7	8.0	8.0	8.0	7.9	8.3	7.2	5.6	4.3	5.0	6.2	7.4	—
Hourly Means.		7.65	7.79	8.02	8.11	8.27	8.85	8.46	6.89	5.83	5.68	6.13	7.13	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means
SEPTEMBER.	1	6.6	8.8	9.5	9.9	9.7	8.9	8.5	8.8	7.8	7.7	7.4	7.0	8.01
	2	8.1	8.9	8.3	9.7	9.9	8.6	8.6	8.7	7.9	7.8	7.9	7.8	8.18
	3	7.7	8.3	9.0	9.3	8.9	8.5	8.1	8.5	8.1	8.0	7.9	7.4	7.94
	4	7.7	8.9	9.3	9.5	9.3	9.0	8.5	8.5	7.9	7.9	7.5	8.6	8.15
	5	5.8	6.7	8.9	9.9	9.7	9.0	8.9	8.5	8.3	8.0	7.8	7.4	8.14
	6	6.9	6.7	8.3	8.8	8.8	8.8	8.6	8.5	8.3	8.3	7.9	7.8	8.18
	7	8.2	9.1	10.0	9.9	9.3	8.9	8.5	8.3	8.0	7.8	7.9	7.7	8.05
	8	6.7	7.7	8.5	9.0	9.0	8.7	8.3	8.5	7.9	8.0	7.8	7.8	7.83
	9	8.1	8.0	9.0	9.9*	9.9*	10.4*	9.9*	9.7*	9.0*	8.3*	7.2*	7.5*	8.42
	10	6.7	8.3	10.4	10.8	9.7	7.4	8.1	7.8	7.7	7.8	7.8	6.9	7.64
	11	7.9	8.9	10.0	10.2	8.9	9.9	9.0	9.0	8.7	8.2	7.7	6.5	8.37
	12	7.8*	7.8*	8.9*	9.3*	8.9*	8.4*	7.8*	7.1*	7.8*	7.6*	7.9*	8.1*	7.37
	13	6.7	8.0	9.1	9.1	8.9	8.6	8.0	8.1	7.9	7.9	8.0	7.9	7.72
	14	7.5	8.3	9.0	8.9	8.8	8.5	8.0	7.9	7.9	7.7	7.8	8.3	7.87
	15	7.8	8.8	9.3	9.0	9.1	8.9	9.0	8.5	7.9	7.7	7.8	7.9	7.85
	16	8.6	9.0	9.9	9.6	9.1	8.8	8.5	8.5	8.0	8.0	7.9	7.9	8.02
	17	8.0	9.0	9.9	9.5	9.5	9.1	8.7	8.8	8.1	8.1	7.9	7.8	8.08
	18	9.1	9.5	9.4	8.6	8.5	8.6	8.6	8.5	8.3	8.3	8.2	8.0	8.12
	19	7.9	8.3	9.0	9.0	8.8	8.5	8.0	8.0	8.0	7.9	7.9	7.8	7.83
	20	9.5	10.2	10.2	9.1	8.6	8.5	8.3	8.0	7.9	7.9	7.9	7.8	7.81
	21	7.4	8.7	9.1	9.3	9.1	8.8	8.5	8.3	7.8	7.9	7.9	7.4	7.72
	22	8.5	8.9	9.0	9.0	8.8	8.5	8.0	8.1	8.1	7.9	8.0	8.1	7.89
	23	8.0	8.8	9.6	9.5	9.4	8.6	9.0	8.6	8.5	7.5	6.5	7.4	8.00
	24	7.7	8.2	9.6	8.9	8.7	8.0	7.9	7.8	7.8	7.8	7.9	7.7	7.47
	25	7.7	8.5	9.0	9.0	8.8	8.5	8.5	8.3	8.0	7.8	7.9	7.8	7.88
	26	9.1	10.2	11.0	10.0	9.6	9.1	9.1	9.0	8.5	7.8	7.5	6.6	8.29
	27	7.9	8.9	9.0	9.0	8.9	8.8	8.3	7.9	7.9	7.8	7.8	7.7	7.55
	28	7.8	8.2	9.7	8.8	8.8	8.8	8.6	8.8	8.0	6.7	7.2	6.5	7.66
	29	7.9	9.6	9.9	9.6	8.6	8.0	8.3	7.3	7.8	6.9	7.5	7.9	7.56
	30	8.9	9.7	9.6	9.1	9.0	8.5	9.0	8.1	8.0	8.3	7.9	7.8	7.81
Hourly Means.		7.81	8.63	9.38	9.37	9.09	8.71	8.50	8.35	8.06	7.84	7.74	7.63	7.91

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* From Wild's Magnetometer.

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS — 0.36800 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	323	337	336	339	340	340	346	365	374	382	378	382	—
	2	336	329	335	340	348	342	355	368	370	392	373	354	—
	3	340	332	329	330	337	340	351	356	364	369	383	373	—
	4	344	335	337	333	337	344	364	373	375	392	392	368	—
	5	323	326	326	328	332	335	340	359	368	380	388	382	—
	6	336	335	336	336	337	345	363	382	398	406	406	397	—
	7	329	330	333	334	339	342	349	366	377	384	386	385	—
	8	335	336	336	336	336	342	360	375	392	401	405	396	—
	9	340	334	331	342	330	327	342	359	369	374	370	363	—
	10	314*	310*	328*	329*	329*	325*	331*	347*	344*	345*	331*	322*	—
	11	289	288	298	336	304	308	321	326	318	326	320	303	—
	12	288	302	307	311	314	297	311	326	354	388	368	316	—
	13	309*	311*	313*	314*	316*	318*	330*	346*	354	360	363	359	—
	14	321	321	311	316	316	327	336	354	349	368	375	377	—
	15	329	343*	329*	331*	323*	329*	337*	348*	359*	368	374	377	—
	16	324	325	327	330	336	344	341	354	364	369	373	368	—
	17	338	342	346	349	340	350	357	373	383	388	383	369	—
	18	335	336	338	340	344	349	363	374	385	392	398	392	—
	19	339	340	344	345	348	352	364	373	383	389	392	387	—
	20	337	339	342	344	345	352	364	386	402	416	413	397	—
	21	346	350	351	350	351	358	368	387	398	406	397	399	—
	22	330	344	330	332	338	342	351	365	375	386	392	387	—
	23	336	351	343	344	345	346	355	368	380	389	397	394	—
	24	307	307	316	315	321	329	342	355	367	375	377	365	—
	25	342	340	336	337	336	343	355	365	377	387	394	393	—
	26	343	345	345	345	350	359	373	387	406	416	419	412	—
	27	304	312	324	324	324	329	339	359	380	373	375	378	—
	28	327	336	335	335	338	344	349	363	359	344	355	373	—
	29	309	298	291	292	316	317	327	329	342	333	336	336	—
	30	317	311	311	314	316	320	337	351	367	370	363	354	—
Hourly Means.		326.3	328.2	328.8	331.7	332.9	336.5	347.4	361.3	371.1	378.9	379.2	371.9	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	363	351	339	336	326	318	326	312	321	327	322	318	341.7
	2	344	339	320	297	296	322	307	308	314	328	317	326	335.8
	3	363	355	344	335	335	339	336	333	333	330	325	322	343.9
	4	356	334	307	293	292	293	311	316	322	318	311	316	336.0
	5	373	359	336	322	318	316	325	327	329	324	321	322	340.0
	6	389	375	358	344	339	335	331	330	330	327	327	326	353.7
	7	375	364	346	336	333	334	335	333	333	331	332	335	347.5
	8	389	375	357	348	341	344	344	343	342	340	339	336	356.2
	9	349	340	321	313*	308*	307*	294*	255*	272*	269*	273*	306*	324.5
	10	319	288	250	231	243	260	276	273	283	288	303	277	301.9
	11	307	293	278	264	263	263	274	253	261	273	287	286	293.3
	12	341*	324*	300*	297*	297*	303*	300*	296*	295*	299*	296*	303*	313.9
	13	350	335	323	316	315	316	317	316	316	317	317	324	327.3
	14	374	361	336	335	326	329	328	328	329	325	332	325	337.5
	15	370	351	335	335	288	271	272	279	292	312	313	311	328.2
	16	359	350	336	334	335	337	339	336	335	332	337	335	342.5
	17	364	351	318	320	306	298	313	308	322	326	329	334	342.0
	18	380	363	349	344	336	340	344	341	336	335	334	336	353.5
	19	378	361	349	345	344	341	340	339	340	340	341	339	354.7
	20	381	359	340	343	345	346	345	344	345	345	346	346	359.3
	21	385	373	354	349	336	339	340	339	336	337	331	335	359.0
	22	374	365	354	344	345	345	346	344	343	340	339	339	352.1
	23	380	364	342	322	307	297	281	282	269	292	314	304	337.6
	24	349	333	312	322	325	325	323	326	327	326	325	326	333.1
	25	380	364	354	344	341	339	336	337	334	332	333	332	351.3
	26	383	351	332	316	317	313	292	289	292	287	287	316	344 8
	27	368	351	335	335	325	314	323	325	326	325	325	324	337.4
	28	368	349	335	325	324	313	287	230	242	282	288	288	324.5
	29	318	302	302	301	302	297	276	291	312	317	307	302	310.5
	30	342	327	320	315	311	311	284	294	301	294	317	299	322.8
Hourly Means.		362.4	346.9	329.4	322.0	317.3	316.8	314.8	310.9	314.4	317.3	318.9	319.6	336.9

* From Wild's Magnetometer.

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19/00 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	758	751	751	751	749	747	740	740	742	740	742	735	—
	2	758	763	756	753	747	751	756	768	776	767	775	784	—
	3	764	771	772	771	765	763	767	774	772	759	748	759	—
	4	775	779	776	779	774	768	765	777	777	767	758	768	—
	5	779	777	777	775	774	773	774	763	756	751	747	754	—
	6	775	777	777	777	776	768	770	775	774	774	768	775	—
	7	785	784	780	780	777	774	768	776	773	764	761	767	—
	8	794	795	794	787	793	790	784	749	734	723	716	716	—
	9	777	777	776	777	774	769	764	776	770	765	767	771	—
	10	773*	773*	777*	767*	770*	766*	776*	759*	760*	757*	760*	760*	—
	11	783	780	773	748	774	769	774	781	788	777	771	774	—
	12	786	779	777	775	774	780	784	780	754	714	718	761	—
	13	772*	772*	775*	775*	775*	775*	772*	758*	745	738	733	736	—
	14	774	778	781	780	780	774	774	766	756	735	726	731	—
	15	775	766*	778*	778*	782*	775*	782*	786*	753	753	739	740	—
	16	765	765	763	761	760	758	768	766	751	734	729	729	—
	17	755	754	751	752	754	748	761	765	756	743	724	726	—
	18	760	759	758	758	754	752	754	758	745	732	719	720,	—
	19	761	761	759	758	757	756	761	756	734	725	726	732	—
	20	768	768	765	765	761	758	761	748	740	720	712	713	—
	21	760	758	757	758	756	753	754	761	758	749	743	736	—
	22	774	766	770	766	761	754	754	749	737	726	726	727	—
	23	767	759	761	761	761	756	757	752	744	734	721	723	—
	24	773	772	768	768	765	766	763	760	748	739	727	726	—
	25	761	763	765	765	763	758	761	765	755	747	740	739	—
	26	767	766	768	768	766	761	765	761	743	733	724	719	—
	27	774	773	767	768	768	771	774	780	765	760	747	735	—
	28	783	780	777	780	778	774	787	791	787	795	788	770	—
	29	780	786	792	786	780	781	784	782	766	758	744	734	—
	30	778	780	780	780	780	780	780	771	752	735	727	730	—
Hourly Means.		771.8	771.1	770.7	768 9	768.3	765.6	767.8	766.4	757.0	747.1	740.9	743.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
SEPTEMBER.	1	736	726	736	747	761	777	772	779	775	770	770	768	752.6
	2	784	783	787	791	787	780	784	786	783	776	780	774	772.9
	3	773	774	776	780	781	782	783	786	786	786	787	787	773.6
	4	770	773	787	793	794	793	782	780	780	785	788	785	778.0
	5	767	766	770	777	783	787	783	781	782	787	787	786	773.2
	6	786	786	783	788	791	791	790	790	788	793	793	787	781.3
	7	775	782	788	793	794	793	794	794	794	795	797	796	782.7
	8	729	740	753	768	778	780	780	780	780	782	782	780	767.0
	9	777	780	780	781*	788*	789*	789*	810*	802*	808*	800*	782*	781.2
	10	749	759	774	790	792	788	774	780	777	775	769	787	771.3
	11	755	763	774	787	794	795	788	801	799	791	786	788	779.7
	12	764*	771*	768*	769*	768*	769*	774*	778*	777*	775*	776*	777*	768.7
	13	743	747	760	769	777	779	780	781	780	779	780	774	765.6
	14	738	747	761	771	777	779	779	778	777	779	774	774	766.2
	15	747	757	765	773	800	808	801	795	783	772	769	773	772.9
	16	731	732	737	741	754	765	764	766	766	766	761	758	753.8
	17	729	741	760	759	774	780	774	774	768	766	767	765	756.1
	18	730	739	751	763	772	768	766	767	771	772	770	767	754.4
	19	740	751	756	763	767	772	773	773	772	772	771	771	757.0
	20	724	740	759	765	767	766	764	766	766	766	764	762	753.7
	21	733	744	754	758	769	773	772	772	774	774	774	774	758.9
	22	746	758	762	768	767	765	763	766	767	768	769	768	757.4
	23	733	738	748	767	782	789	794	791	794	784	774	774	761.0
	24	734	740	754	760	767	768	772	772	769	770	770	769	759.2
	25	740	751	759	768	774	774	774	774	774	774	772	772	762.0
	26	733	756	772	781	781	784	793	791	791	791	787	768	765.4
	27	743	761	774	780	786	794	786	786	784	786	786	786	772.3
	28	774	778	782	784	784	793	819	851	836	804	795	812	791.8
	29	739	746	751	765	778	788	805	798	781	781	785	786	774.0
	30	743	758	768	779	787	793	804	800	793	797	780	787	773.4
Hourly Means.		748.8	756.2	765.0	772.6	779.1	782.1	782.5	784.9	782 3	780.8	778.8	777.9	767.9

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* From Wild's Magnetometer.

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS. — 1°30′.0 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	7.9	8.1	7.8	7.8	8.2	9.2	8.3	6.5	5.6	5.5	6.6	8.8	—
	2	6.6	6.7	8.1	7.7	8.1	8.2	7.3	6.3	5.6	6.2	7.3	8.7	—
	3	7.7	7.9	7.9	7.8	7.9	7.7	6.3	4.5	3.8	5.4	5.6	6.9	—
	4	7.4	8.0	8.2	8.2	8.3	7.9	6.6	4.3	3.8	3.3	5.1	7.2	—
	5	7.8	8.1	8.0	8.1	8.5	8.6	6.9	4.0	2.8	2.9	5.3	8.0	—
	6	7.5	7.9	8.0	7.9	7.9	8.1	7.9	5.6	5.3	5.7	7.1	8.0	—
	7	7.9	8.0	8.0	7.9	7.7	7.3	6.2	5.4	5.6	6.7	7.7	7.7	—
	8	7.3	7.7	7.4	7.5	7.4	7.8	7.0	5.6	5.7	6.1	6.7	7.9	—
	9	7.5	7.7	7.8	7.3	7.7	8.6	6.6	5.3	4.9	4.6	5.4	7.5	—
	10	7.3	7.4	7.7	7.7	7.7	7.7	6.9	5.4	4.5	5.6	6.7	8.5	—
	11	7.9	8.0	8.0	7.7	7.4	6.9	5.7	4.7	4.2	4.5	6.1	7.4	—
	12	7.5	7.8	7.4	7.2	7.2	6.6	6.1	5.4	4.6	4.3	5.4	6.4	—
	13	7.9	8.0	8.0	8.6	9.1	9.1	8.0	6.3	5.5	6.2	5.6	6.6	—
	14	8.0*	8.1*	8.8*	7.8*	7.8*	7.8*	6.9*	6.6	6.7	7.4	7.9	8.9	—
	15	7.9	8.1	8.0	7.8	7.7	8.0	6.2	5.6	5.7	6.2	6.9	7.9	—
	16	7.9	8.2	8.3	8.0	7.9	7.8	6.7	5.6	5.7	6.3	7.8	9.5	—
	17	7.9	8.3	8.2	8.2	8.0	7.9	6.6	5.5	5.4	5.6	6.7	8.9	—
	18	7.9	8.1	8.2	8.1	7.8	7.7	6.5	5.6	5.6	5.8	6.9	8.7	—
	19	7.9	7.9	8.1	8.2	8.0	7.5	6.2	5.9	6.5	7.0	7.4	9.1	—
	20	7.7	7.9	8.1	8.1	8.3	8.1	5.9	5.5	5.5	5.6	6.9	9.0	—
	21	8.2	8.1	8.3	8.6	7.8	6.6	5.7	5.3	5.3	6.3	8.1	9.3	—
	22	7.9	8.0	8.2	7.9	7.7	7.3	6.1	4.5	4.6	5.6	7.0	8.5	—
	23	8.0	8.1	8.1	7.8	7.5	6.6	5.7	4.9	4.2	3.9	5.5	7.1	—
	24	7.5	7.4	7.4	6.6	7.3	8.8	8.0	6.5	6.4	7.1	7.7	8.2	—
	25	7.7	8.8	8.6	7.5	7.4	8.1	7.1	6.5	6.4	6.4	7.9	7.8	—
	26	7.3	7.5	7.5	7.7	7.8	7.8	8.5	7.9	7.8	8.7	9.9	10.4	—
	27	7.4	7.3	7.4	7.3	7.5	7.1	6.3	5.7	5.3	5.3	6.3	7.7	—
	28	7.4	7.7	7.9	7.7	7.5	6.9	6.2	5.3	4.7	6.1	7.4	8.6	—
	29	8.0	8.0	8.3	8.1	7.9	7.8	6.4	5.3	5.5	6.3	7.9	8.2	—
	30	7.3	7.7	7.7	7.2	7.1	5.9	5.6	5.4	5.4	6.7	8.0	8.3	—
	31	7.7	7.5	7.4	7.5	7.8	6.6	5.7	5.5	6.3	7.1	8.2	9.3	—
Hourly Means.		7.67	7.87	7.96	7.79	7.80	7.68	6.65	5.56	5.32	5.82	6.94	8.23	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	8.9	9.6	9.8	9.9	9.0	8.9	8.8	8.8	7.7	7.8	7.8	7.2	8.10
	2	9.5	9.7	9.1	9.3	9.0	8.9	8.9	8.5	7.9	7.7	7.5	7.7	7.94
	3	8.1	8.9	9.9	9.6	8.9	8.9	8.9	8.3	7.9	7.7	7.7	7.5	7.57
	4	8.9	8.9	9.0	8.6	8.1	8.6	8.3	8.0	7.9	7.8	7.8	7.8	7.42
	5	9.4	10.0	9.8	8.5	8.0	8.3	8.3	8.1	7.8	7.7	7.8	7.4	7.50
	6	9.1	9.9	9.5	8.6	7.9	8.0	8.0	7.8	7.4	7.3	7.3	7.8	7.73
	7	8.8	9.8	10.2	9.7	9.0	8.0	8.9	8.6	8.0	7.8	7.7	7.4	7.92
	8	8.9	9.0	9.7	9.1	9.0	8.8	8.7	7.9	8.3	6.7	7.3	7.5	7.71
	9	8.6	8.6	8.9	8.0	8.0	8.5	8.1	7.8	7.8	7.7	7.7	7.5	7.42
	10	9.7	9.9	9.8	9.7	9.8	8.6	8.9	8.0	7.9	7.8	8.0	7.7	7.87
	11	8.5	8.8	8.8	8.3	7.9	8.6	8.5	8.1	7.9	7.8	8.0	7.3	7.38
	12	7.8	8.9	9.5	9.1	9.5	8.8	8.8	8.3	8.0	8.0	8.0	6.9	7.40
	13	8.0	7.9	8.1	8.9	8.9	8.6*	8.3*	8.2*	8.0*	7.9*	7.9*	8.2*	7.83
	14	9.6	9.1	8.8	8.1	8.3	8.9	8.7	8.6	8.5	8.1	7.9	7.7	8.13
	15	8.9	8.8	8.3	7.7	7.9	8.5	8.6	8.1	8.0	7.9	7.9	7.8	7.68
	16	10.4	10.7	10.0	8.9	8.2	8.6	8.7	8.3	8.0	7.9	7.9	7.7	8.13
	17	9.9	10.2	9.5	8.9	8.7	8.6	8.5	8.1	7.9	7.7	7.5	7.8	7.94
	18	10.4	10.7	10.3	9.5	8.9	8.8	8.8	8.3	8.2	8.1	8.0	7.9	8.12
	19	10.2	9.7	9.8	9.4	8.6	8.6	8.5	7.9	8.0	7.8	7.7	7.7	8.07
	20	9.7	10.3	9.6	8.7	8.1	8.8	8.5	7.7	7.7	7.5	7.4	7.8	7.85
	21	9.8	9.8	9.7	9.0	8.8	8.5	8.5	7.9	7.8	7.9	7.7	7.8	7.95
	22	9.0	8.9	8.8	8.7	8.5	8.7	8.8	8.2	8.1	7.7	7.9	7.9	7.69
	23	8.3	8.8	8.8	8.7	9.1	9.6	9.1	8.9	7.4	7.8	8.0	7.7	7.48
	24	9.7	9.3	9.4	8.8	9.5	9.3	9.4	8.3	7.1	7.1	8.3	7.7	8.03
	25	8.2	8.3	8.9	9.1	8.8	8.8	8.8	8.0	7.7	7.9	7.8	7.9	7.93
	26	9.4	9.5	9.4	9.3	8.9	9.6	8.9	8.1	8.0	7.8	7.0	7.4	8.42
	27	8.9	9.1	9.3	9.1	8.9	8.9	9.0	8.5	7.8	7.7	7.4	7.4	7.61
	28	10.2	10.4	10.3	9.6	8.8	9.4	8.9	8.2	8.0	8.0	7.7	7.7	7.94
	29	8.6	9.1	8.9	8.6	8.6	8.3	8.5	7.8	7.8	7.4	7.1	7.2	7.73
	30	9.6	9.9	10.4	9.7	8.9	8.6	8.7	8.1	8.0	7.9	7.8	7.8	7.82
	31	9.9	9.1	9.1	8.8	8.5	8.6	8.6	7.8	7.7	7.4	7.4	7.8	7.80
Hourly Means.		9.19	9.41	9.40	8.96	8.68	8.73	8.67	8.17	7.88	7.72	7.71	7.63	7.81

* From Wild's Magnetometer.

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36300 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	324	323	327	323	324	324	351	357	358	371	370	370	—
	2	318	323	315	326	324	327	337	350	368	372	363	356	—
	3	317	318	317	321	326	328	337	355	372	369	381	372	—
	4	327	322	322	326	327	332	338	352	352	361	360	361	—
	5	333	331	331	329	336	337	345	360	374	385	389	389	—
	6	328	329	332	331	336	338	348	364	376	385	390	389	—
	7	326	328	336	333	335	337	339	350	365	382	394	394	—
	8	319	322	326	328	329	333	336	348	355	378	385	371	—
	9	299	313	354	332	315	324	346	360	366	379	380	369	—
	10	326	323	320	323	327	328	348	368	378	371	385	380	—
	11	310	317	326	332	332	333	336	344	361	370	375	374	—
	12	333	336	340	331	334	339	349	360	374	389	398	399	—
	13	309	317	323	327	327	336	339	351	365	354	369	360	—
	14	323	323	322	336	336	339	345	352	366	379	387	384	—
	15	322	319	324	331	331	328	339	352	363	374	381	366	—
	16	323	324	326	327	331	332	338	351	361	370	379	376	—
	17	329	328	333	333	332	334	345	363	374	379	388	385	—
	18	333	336	339	342	343	345	348	359	371	384	402	408	—
	19	339	340	342	346	352	347	364	365	348	347	362	361	—
	20	324	316	323	327	328	327	326	338	344	347	357	364	—
	21	314	318	316	323	326	333	339	349	352	358	360	363	—
	22	321	320	320	323	326	331	337	356	367	375	370	369	—
	23	327	331	333	334	338	350	351	355	370	393	386	375	—
	24	323	327	319	320	319	323	318	336	346	344	353	354	—
	25	292	301	304	314	311	306	308	326	345	350	327	318	—
	26	302	300	311	311	314	316	320	330	338	358	352	344	—
	27	297	318	309	305	312	308	311	317	331	337	340	339	—
	28	313	309	318	310	312	313	319	327	340	334	339	337	—
	29	298	300	319	306	304	306	316	326	336	339	333	338	—
	30	305	298	305	304	303	303	312	325	339	347	355	364	—
	31	309	309	304	307	314	314	322	338	348	361	364	361	—
Hourly Means.		318.2	320.0	323.7	324.5	325.9	328.1	335.7	347.9	358.2	365.9	370.1	367.4	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	345	339	332	326	319	317	310	313	318	311	313	331	333.2
	2	332	308	308	290	291	299	307	309	308	317	313	311	323.8
	3	365	349	334	323	315	303	303	310	316	316	317	314	332.4
	4	357	347	332	329	328	323	323	323	327	326	326	323	335.2
	5	382	365	345	332	323	313	314	315	322	324	323	325	342.6
	6	376	360	351	341	338	332	329	325	332	329	329	324	346.3
	7	384	365	352	337	333	337	322	308	323	333	318	314	343.5
	8	366	348	338	338	341	338	339	360	347	353	347	326	344.6
	9	346	324	320	314	318	320	322	328	319	320	321	319	333.7
	10	346	341	323	295	270	276	289	297	296	305	307	307	326.2
	11	368	357	346	333	327	323	322	322	319	322	329	332	337.9
	12	390	374	355	349	338	319	304	308	317	317	321	310	345.2
	13	331	330	327	314	314	320	321	317	322	322	320	323	330.8
	14	373	361	351	338	332	329	322	322	322	318	322	322	341.8
	15	354	347	336	327	323	325	324	323	323	323	323	320	336.6
	16	361	348	342	338	336	332	329	330	331	329	329	330	340.5
	17	374	360	350	341	338	339	336	338	336	335	333	332	347.3
	18	393	381	371	360	348	343	356	345	342	342	338	337	356.9
	19	362	352	335	324	314	307	309	317	322	309	317	327	337.8
	20	342	329	316	319	310	290	314	313	312	328	323	313	326.3
	21	347	335	329	328	326	319	316	316	321	322	324	320	331.4
	22	360	352	345	335	330	323	324	323	323	333	323	323	337.9
	23	382	371	350	340	328	320	324	313	316	311	318	318	343.1
	24	323	314	308	309	278	289	285	289	329	295	266	290	314.9
	25	311	305	304	289	300	296	295	287	297	293	300	318	308.2
	26	322	324	318	298	292	292	289	285	285	285	323	305	313.1
	27	331	318	313	313	301	295	294	289	304	304	309	315	312.9
	28	325	317	311	298	304	297	297	298	286	285	291	297	311.5
	29	340	323	317	303	287	285	279	270	285	317	298	300	309.4
	30	345	333	314	303	295	300	295	299	289	284	290	305	313.0
	31	352	335	330	317	308	301	289	287	297	300	295	307	319.5
Hourly Means.		354.4	342.3	332.4	322.6	316.3	313.0	312.3	312.2	315.7	316.4	316.3	317.4	331.5

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	767	768	765	768	769	770	787	790	796	784	773	753	—
	2	784	783	783	776	778	776	775	759	745	740	736	733	—
	3	782	780	780	780	775	780	783	771	757	743	724	722	—
	4	782	782	781	779	779	782	787	776	768	746	730	722	—
	5	775	775	775	776	775	775	782	791	772	744	713	695	—
	6	782	782	780	781	776	775	776	766	759	748	729	724	—
	7	782	781	775	775	775	776	779	779	764	750	741	733	—
	8	795	790	788	784	784	783	796	793	782	757	736	730	—
	9	811	802	777	789	796	789	787	780	765	750	734	731	—
	10	791	793	791	789	784	783	780	776	763	749	728	729	—
	11	793	789	786	785	788	793	798	787	775	759	742	742	—
	12	787	787	785	790	787	784	789	781	774	763	750	740	—
	13	789	786	781	777	777	777	791	796	784	782	769	763	—
	14	782	783	784	775	776	776	777	769	755	744	733	735	—
	15	787	789	787	782	783	787	789	777	765	755	737	742	—
	16	784	783	783	782	782	782	782	773	761	750	729	728	—
	17	784	784	783	783	784	788	793	786	777	765	747	743	—
	18	787	785	783	782	781	785	793	783	775	763	737	725	—
	19	782	782	781	782	775	784	783	791	796	791	769	761	—
	20	791	796	793	789	787	788	802	791	781	766	749	736	—
	21	798	794	795	789	788	793	797	790	776	761	744	731	—
	22	791	793	793	791	789	793	799	789	776	763	747	747	—
	23	790	789	789	789	787	783	793	798	787	770	752	752	—
	24	796	795	800	796	798	795	802	799	784	781	765	761	—
	25	801	798	798	792	794	797	800	795	784	775	773	773	—
	26	792	796	791	789	788	787	790	789	779	769	768	772	—
	27	802	793	798	799	796	802	805	802	794	777	765	756	—
	28	791	796	790	793	797	798	799	809	791	776	763	761	—
	29	813	812	802	811	813	816	822	813	798	790	778	781	—
	30	811	814	811	810	813	817	808	789	777	767	761	750	—
	31	800	802	806	805	798	806	798	780	769	761	761	763	—
Hourly Means.		790.4	789.7	787.5	786.7	786.2	787.7	791.7	786.1	775.1	762.5	747.8	743.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
OCTOBER.	1	752	761	768	779	787	791	796	795	793	796	793	780	778.4
	2	741	761	767	780	788	791	783	784	789	787	783	784	771.1
	3	737	755	766	782	790	797	800	793	793	793	788	789	773 3
	4	729	743	762	768	773	777	782	783	783	782	782	782	769.2
	5	709	737	764	781	789	795	793	794	790	787	784	783	768.9
	6	737	757	775	784	786	787	787	788	784	787	784	783	771.5
	7	740	750	767	783	790	791	797	804	796	789	796	796	775.4
	8	736	747	763	776	779	783	783	777	787	789	789	800	776.1
	9	749	767	778	789	791	790	791	789	796	796	795	794	780.7
	10	750	766	789	812	825	825	811	805	802	796	796	795	784.5
	11	750	763	777	793	798	796	795	794	794	791	786	787	781.7
	12	745	752	766	775	786	800	805	803	793	790	784	791	779.5
	13	776	781	789	793	796	791	791	791	789	788	789	783	784.5
	14	746	763	775	787	790	790	794	795	793	794	790	788	774.8
	15	755	771	785	790	793	790	791	793	794	791	790	787	779.6
	16	749	771	783	794	795	791	792	793	791	791	789	786	776.8
	17	756	775	781	787	789	789	791	790	792	793	791	791	780.9
	18	741	758	771	783	793	791	784	789	790	790	789	785	776.8
	19	761	769	785	797	802	807	805	801	797	803	802	792	787.4
	20	755	775	795	798	802	809	797	801	800	790	798	800	787.0
	21	750	773	784	787	789	795	797	800	796	796	796	793	783.8
	22	759	770	775	786	789	792	795	796	796	792	796	794	783.8
	23	753	767	784	797	803	802	801	805	808	807	800	796	787.6
	24	780	793	798	802	811	805	809	809	791	809	823	803	796.0
	25	777	777	774	788	786	791	793	800	797	797	794	784	789.1
	26	787	792	802	815	815	811	813	815	813	810	791	797	794.6
	27	755	774	789	795	801	809	809	809	802	798	795	796	792.5
	28	767	789	802	815	811	818	821	822	830	827	822	816	800.2
	29	791	810	816	824	830	828	831	834	825	804	817	816	811.5
	30	769	787	802	809	813	812	815	815	822	823	816	803	800.6
	31	777	796	805	808	808	813	821	822	816	810	809	802	797.3
Hourly Means.		754.2	769.4	781.8	792.2	796.7	798.6	799.1	799.6	798.1	796.6	795.4	792.8	783.7

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30′.0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	7.9	7.8	7.9	7.7	7.5	6.2	5.3	5.3	6.5	7.9	9.7	11.3	
	2	7.9	8.1	8.2	7.9	7.8	7.3	6.7	5.8	5.3	5.9	6.9	9.1	—
	3	7.9	8.1	8.1	7.9	7.9	7.5	5.2	3.3	2.9	4.2	6.7	8.7	—
	4	7.9	8.1	8.1	7.8	7.9	8.4	7.5	5.7	5.2	5.4	7.0	9.2	—
	5	7.6	8.1	7.9	7.8	7.4	6.7	5.9	5.4	5.9	6.9	8.6	10.1	—
	6	7.7	7.9	7.8	7.7	7.7	7.0	5.9	5.4	5.7	6.4	7.4	8.7	—
	7	7.9	7.8	7.8	7.7	7.6	6.9	5.8	5.6	5.4	6.8	7.7	8.5	—
	8	7.5	7.8	7.8	7.4	7.5	6.9	5.9	5.1	4.6	5.6	6.8	7.6	—
	9	7.4	7.6	7.8	7.8	7.6	7.9	7.8	5.9	5.4	6.2	7.3	9.2	—
	10	7.3	7.6	7.6	7.5	7.6	7.4	6.7	5.9	5.8	5.6	6.2	7.4	—
	11	7.4	7.8	7.0	7.0	6.9	6.9	5.6	4.8	4.9	4.6	6.2	6.9	—
	12	7.2	7.7	7.8	7.8	7.3	6.7	5.4	4.6	4.6	5.7	7.4	8.3	—
	13	7.4	7.6	7.9	7.6	7.5	6.7	5.6	5.7	5.4	6.4	7.0	8.5	—
	14	7.6	7.7	7.8	6.9	7.2	6.7	4.6	3.2	2.5	4.1	5.3	7.3	—
	15	6.9	8.1	7.6	7.2	6.5	5.4	4.2	3.6	4.5	4.9	6.8	8.2	—
	16	7.5	7.7	7.6	7.3	7.5	6.6	5.2	4.6	4.8	6.0	8.2	9.2	—
	17	7.4	7.5	7.6	7.5	7.2	5.9	5.2	4.4	4.6	5.4	6.9	7.8	—
	18	7.0	7.5	7.6	7.2	6.9	5.6	5.2	5.1	5.3	6.6	8.1	8.7	—
	19	7.0	7.4	7.4	7.0	6.9	5.9	5.2*	5.0*	5.0*	5.5*	6.8*	8.2*	—
	20	7.6*	7.9*	7.5*	7.5*	7.2*	6.9*	5.4*	5.4	6.5	8.1	9.7	11.9	—
	21	6.9	6.6	6.8	7.2	6.7	4.4	4.0	3.8	4.4	4.9	5.6	7.4	—
	22	7.8	7.9	7.6	6.7	7.0	6.2	6.1	4.9	5.2	5.9	6.7	8.9	—
	23	6.9	7.0	7.4	7.4	6.9	6.4	5.8	5.2	5.1	5.8	7.3	7.7	—
	24	7.4	7.8	7.8	7.6	7.5	6.8	6.4	5.9	5.9	6.8	7.9	9.3	—
	25	7.2	7.6	7.5	7.3	7.2	6.4	5.7	5.0	5.3	6.0	7.4	7.9	—
	26	6.9	7.0	7.3	7.4	7.0	5.9	5.7	4.6	4.9	5.9	7.4	8.7	—
	27	6.4	6.9	6.9	6.8	6.6	5.7	4.9	5.2	5.4	6.2	7.2	7.9	—
	28	6.5	7.2	7.0	6.9	6.8	6.4	6.0	6.2	5.9	6.5	7.4	7.8	—
	29	6.8	6.9	6.9	6.7	6.8	6.8	5.2	4.5	4.6	5.7	6.7	7.7	—
	30	6.7	6.8	6.9	6.8	6.8	5.9	5.2	4.6	5.2	6.8	7.9	9.1	
Hourly Means.		7.32	7.58	7.56	7.37	7.23	6.55	5.64	4.99	5.09	5.96	7.27	8.57	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	12.0	11.6	10.3	9.2	8.5	8.6	8.2	7.9	7.9	7.8	7.9	7.9	8.28
	2	10.6	11.4	11.0	9.9	9.0	8.5	8.4	7.9	7.8	7.9	7.8	7.8	8.12
	3	10.3	11.1	11.4	10.3	9.4	8.6	8.6	8.2	8.2	7.9	8.1	7.9	7.85
	4	10.6	10.8	10.3	9.8	8.9	8.7	8.6	8.1	8.1	7.8	7.7	7.5	8.13
	5	11.5	11.4	10.5	10.2	9.8	9.0	9.0	8.3	8.1	7.9	7.8	7.6	8.31
	6	10.3	10.6	10.1	9.4	8.7	8.1	8.1	8.0	8.0	7.9	7.8	7.8	7.92
	7	9.1	9.4	9.2	8.9	8.2	8.1	8.1	7.9	8.1	7.8	7.9	7.6	7.74
	8	9.0	9.1	8.6	8.1	7.9	7.9	8.1	7.8	7.7	7.4	7.5	7.4	7.38
	9	10.8	11.7	11.6	10.3	9.1	8.3	8.2	7.8	7.8	7.7	7.5	7.2	8.16
	10	8.7	9.3	9.9	9.2	8.7	8.3	8.2	7.8	7.8	7.5	7.5	7.4	7.62
	11	7.7	8.6	9.0	9.0	8.2	7.9	8.1	7.9	7.6	7.6	7.5	7.0	7.17
	12	10.0	9.8	9.4	9.0	8.7	8.2	8.1	7.9	7.9	7.8	7.6	7.3	7.59
	13	9.2	9.5	8.7	8.1	8.1	7.9	8.1	7.9	7.9	7.8	7.7	7.5	7.57
	14	8.7	9.2	9.3	9.1	9.0	8.5	8.2	7.9	7.5	7.6	7.2	7.0	7.09
	15	9.3	9.4	9.7	9.0	9.0	8.7	8.3	7.8	7.4	7.2	7.0	6.9	7.23
	16	9.7	9.8	9.2	8.6	8.1	8.2	8.2	7.9	7.8	7.6	7.2	7.3	7.58
	17	9.1	9.1	9.3	8.7	8.2	8.2	7.7	7.2	7.0	7.7	7.5	6.2	7.22
	18	9.3	9.3	9.3	8.5	7.9	7.9	7.9	7.6	7.4	7.3	6.9	6.8	7.37
	19	9.0*	9.1*	9.4*	9.2*	8.4*	8.1*	8.2*	8.2*	7.9*	7.8*	7.7*	7.6*	7.41
	20	13.5	13.5	12.2	10.7	9.7	9.3	9.1	8.5	7.6	6.7	6.7	6.8	8.58
	21	9.7	11.3	11.5	10.6	11.3	9.1	7.9	9.0	8.5	7.9	7.8	7.6	7.54
	22	9.9	10.8	9.9	9.1	8.6	8.7	8.3	7.5	7.8	7.4	7.4	6.9	7.63
	23	8.6	9.1	9.4	9.1	8.7	8.1	8.2	7.8	7.8	7.4	7.0	7.0	7.38
	24	10.3	10.8	10.8	9.8	9.2	8.7	8.5	7.9	7.9	7.5	7.3	7.0	8.03
	25	9.1	9.5	10.0	9.2	8.3	7.9	8.4	7.9	7.5	7.4	7.5	7.0	7.51
	26	9.8	10.5	10.3	9.8	9.3	9.1	8.1	7.8	7.6	7.4	7.0	6.8	7.59
	27	9.4	9.9	10.0	9.4	8.9	8.2	8.2	7.9	7.0	7.4	6.9	6.7	7.33
	28	7.8	7.5	7.6	7.9	7.7	7.6	7.9	7.4	6.9	7.3	7.3	6.4	70.8
	29	8.6	9.0	9.2	8.6	7.6	7.5	7.5	7.4	7.4	6.9	6.9	6.8	70.3
	30	9.7	9.4	9.1	8.3	7.8	7.6	7.8	7.8	7.7	7.2	6.9	6.9	72.9
Hourly Means.		9.71	10.05	9.87	9.23	8.70	8.32	8.21	7.90	7.72	7.55	7.42	7.19	7.62

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* From Wild's Magnetometer.

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36300 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	321	321	320	326	326	329	330	339	361	379	377	375	—
	2	324	325	328	329	330	334	338	345	358	369	382	376	—
	3	329	330	330	332	332	335	340	352	367	377	383	385	—
	4	329	329	329	330	330	336	345	358	368	380	391	388	—
	5	320	316	327	321	326	330	338	355	367	383	384	377	—
	6	321	326	331	328	331	338	344	352	361	368	376	378	—
	7	347	349	350	353	358	361	367	381	393	396	391	379	—
	8	341	343	342	348	348	351	352	368	389	397	395	390	—
	9	339	340	343	348	349	350	358	372	381	386	389	383	—
	10	350	352	352	353	357	359	365	380	386	391	392	388	—
	11	339	328	333	339	344	349	357	352	367	384	381	386	—
	12	349	350	352	352	352	353	357	362	369	372	371	371	—
	13	358	355	353	357	357	356	355	350	364	368	376	372	—
	14	348	345	345	353	357	358	362	363	377	381	395	389	—
	15	339	342	336	335	339	348	354	349	343	361	362	349	—
	16	336	345	342	340	342	349	353	356	363	357	368	368	—
	17	334	372	345	336	342	343	343	352	350	363	360	357	—
	18	314	320	326	333	335	339	344	348	364	374	370	363	—
	19	334	337	339	339	338	343	350	359	371	378	381	379	—
	20	342	343	352	349	349	396	410	382	381	387	392	378	—
	21	307	321	296	298	298	300	301	330	313	315	328	330	—
	22	339	316	300	310	301	307	315	311	320	326	336	328	—
	23	335	314	315	321	323	324	326	329	338	343	344	344	—
	24	327	326	325	329	331	338	340	342	352	358	368	371	—
	25	325	329	328	326	326	330	331	339	352	362	364	369	—
	26	327	330	348	335	333	330	327	334	341	348	365	357	—
	27	321	320	320	325	330	324	331	337	345	356	367	365	—
	28	325	318	320	334	325	330	343	345	358	367	364	362	—
	29	331	336	335	342	336	336	339	348	356	362	362	359	—
	30	338	339	340	345	342	345	351	361	372	383	389	385	—
Hourly Means.		333.0	333.9	333.4	335.5	336.2	340.7	345.5	351.7	360.9	369.0	373.4	370.0	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	366	352	338	324	322	324	325	324	324	324	325	326	336.6
	2	371	353	339	333	333	333	328	328	325	329	330	329	340.4
	3	385	361	341	321	324	323	325	324	325	328	324	329	341.8
	4	376	362	352	338	328	321	322	329	326	325	328	324	343.5
	5	364	358	347	330	315	307	309	310	305	307	315	320	334.6
	6	363	358	351	343	342	336	340	341	339	340	343	345	345.6
	7	372	367	358	344	340	338	340	340	341	342	341	341	357.9
	8	377	371	364	357	347	348	348	339	324	314	333	339	355.2
	9	377	371	361	352	349	343	347	352	348	347	345	349	357.5
	10	387	390	390	379	368	364	363	362	343	341	331	334	365.7
	11	386	377	369	363	354	348	344	339	339	343	346	347	354.8
	12	361	363	361	357	353	352	348	349	349	349	356	352	356.7
	13	358	347	347	344	348	350	352	349	345	349	350	348	354.5
	14	381	377	371	368	357	349	349	318	333	329	331	334	357.1
	15	332	338	343	340	333	336	321	308	343	325	334	333	339.3
	16	360	356	343	343	338	331	335	336	334	331	342	339	346.1
	17	352	346	336	330	329	329	333	343	307	291	322	332	339.5
	18	358	348	344	339	339	339	333	333	333	321	331	330	340.8
	19	369	357	342	341	343	339	339	339	338	342	342	344	349.3
	20	350	315	283	265	251	250	246	259	267	284	269	306	325.3
	21	305	300	300	296	279	277	310	286	276	286	304	306	302.6
	22	315	296	300	301	309	302	305	299	315	317	325	315	312.8
	23	341	337	330	320	320	320	315	321	314	311	320	333	326.6
	24	363	352	338	330	325	321	323	321	315	314	325	324	335.8
	25	363	353	342	335	340	330	326	325	330	331	324	324	337.7
	26	354	343	330	321	315	305	315	316	322	321	314	317	331.2
	27	359	350	343	333	334	321	315	315	330	315	310	319	332.7
	28	349	343	331	324	314	312	310	314	332	321	327	339	333.6
	29	350	345	339	334	336	330	333	324	324	331	332	335	339.8
	30	373	361	352	343	339	339	339	339	333	341	338	338	351.0
Hourly Means.		360.6	351.6	342.8	334.9	330.8	327.2	327.9	326.1	326.0	325.0	328.6	331.7	341.5

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	814	815	816	812	814	819	814	806	792	769	757	761	
	2	816	815	814	814	815	817	819	818	801	778	749	742	—
	3	816	815	815	815	815	820	829	826	807	778	759	752	—
	4	815	815	815	815	815	815	823	821	810	787	761	756	—
	5	826	826	819	820	819	819	816	801	791	773	766	767	—
	6	818	815	815	815	814	817	817	815	809	798	782	774	—
	7	811	811	810	810	811	811	812	767	765	755	753	758	—
	8	795	794	795	793	792	795	798	806	788	775	764	763	—
	9	805	804	804	801	801	804	819	819	806	786	761	760	—
	10	808	808	808	807	804	807	808	802	800	792	781	774	—
	11	807	813	812	806	801	804	813	815	807	794	791	786	—
	12	804	804	801	805	804	812	815	812	799	788	773	762	—
	13	793	794	795	794	794	801	807	803	787	767	755	754	—
	14	794	797	798	794	794	799	802	814	801	775	752	744	—
	15	806	804	808	809	807	810	812	820	814	789	780	784	—
	16	807	802	805	806	807	812	811	815	797	787	771	772	—
	17	812	794	807	812	807	812	811	801	792	782	774	767	—
	18	817	814	810	807	808	812	809	808	798	786	777	781	—
	19	815	815	812	811	812	812	808	801	799	796	781	775	—
	20	812	812	807	807	808	794	780	799	791	786	780	771	—
	21	829	822	835	832	832	833	829	821	815	808	798	781	—
	22	815	825	834	832	829	829	823	831	815	808	802	801	—
	23	819	831	829	825	825	827	829	822	815	814	796	786	—
	24	818	820	821	819	819	816	812	790	778	775	764	767	—
	25	814	813	812	813	814	816	823	834	822	814	813	812	—
	26	828	825	816	822	822	832	834	819	815	809	796	798	—
	27	815	817	816	813	811	816	810	814	803	792	787	779	—
	28	819	820	818	809	815	819	822	840	830	829	826	815	—
	29	818	817	819	815	819	826	827	801	786	778	774	768	—
	30	797	799	795	794	795	797	798	800	795	794	793	794	
	Hourly Means.	812.1	811.9	812.0	810.9	810.8	813.4	814.3	811.4	800.9	788.7	777.2	773.5	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
NOVEMBER.	1	787	808	820	827	826	821	820	822	822	820	820	817	808.3
	2	761	786	806	816	821	820	822	825	825	821	819	818	805.8
	3	753	767	784	807	815	822	821	822	822	821	821	817	805.0
	4	773	801	820	830	835	830	829	824	826	825	824	822	812.0
	5	777	794	811	822	831	835	832	831	833	830	824	819	811.8
	6	786	794	801	808	808	808	812	808	809	810	811	812	806.5
	7	761	762	771	784	788	793	794	794	795	794	795	795	787.5
	8	774	787	799	806	809	808	808	812	822	827	814	808	797.2
	9	767	780	794	808	819	818	814	808	811	814	815	808	801.1
	10	778	775	774	782	793	801	802	803	813	812	814	812	798.3
	11	780	784	788	795	808	810	808	809	811	807	806	807	802.6
	12	767	773	779	788	798	801	801	800	799	798	794	794	794.6
	13	764	775	787	790	794	794	794	795	799	798	796	795	788.5
	14	752	763	776	787	801	806	808	824	819	815	815	808	793.3
	15	788	789	794	799	807	809	822	827	812	820	812	808	805.4
	16	782	792	801	808	811	816	814	814	815	817	812	812	803.6
	17	768	785	794	806	812	811	814	812	834	842	824	808	803.4
	18	791	795	807	814	815	814	817	818	819	824	819	819	807.5
	19	782	788	799	806	814	812	812	814	814	812	812	811	804.7
	20	784	818	846	858	866	865	862	848	845	834	848	827	818.7
	21	784	795	805	821	832	841	826	836	843	840	822	824	821.0
	22	808	820	826	832	829	830	829	836	827	826	822	828	823.2
	23	785	791	802	815	819	824	827	826	829	833	828	818	817.3
	24	781	791	809	822	824	825	821	822	825	823	816	814	807.2
	25	811	808	815	827	832	833	834	832	829	828	829	829	821.1
	26	795	806	816	819	823	829	822	819	815	815	818	817	817.1
	27	778	793	804	815	819	829	829	828	820	826	828	820	810.9
	28	819	820	824	826	836	838	836	832	822	825	822	815	824.0
	29	774	784	794	802	806	806	807	810	809	805	802	797	801.8
	30	805	813	818	819	822	819	816	815	818	812	812	812	805.5
	Hourly Means.	780.5	791.2	802.1	811.3	817.1	818.9	818.4	818.9	819.4	819.1	816.5	813.0	806.8

EASTERLY DECLINATION. A.

HOURLY OBSERVATIONS — 1°30'.0 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	7.1	7.1	7.1	7.1	7.0	5.8	5.4	5.5	5.7	7.3	9.2	10.0	—
	2	7.1	7.6	7.6	7.3	7.2	7.1	5.8	4.5	3.8	4.5	6 4	8.1	—
	3	7.6	7.3	7.6	7.2	7.4	6.8	5.4	4.6	4.6	5.6	7.1	8.4	—
	4	7.2	7.7	7.7	7.4	7.4	6.9	5.5	4.1	3.9	4.6	5.4	7.1	—
	5	7.1	7.7	7.6	7.7	7.3	6.8	5.4	3.7	3.3	4.3	5.5	6.5	—
	6	6.9	7.1	7.2	7.0	7 0	6.1	4.8	4.1	4.3	4.9	5.6	6.9	—
	7	6.9	7.1	7.1	6 9	7.1	7.1	6.5	4.7	3.5	3.6	4.4	6.5	—
	8	5.8	6.5	7.1	3.7	5.5	2.9	1.2	0.0	1.5	4.9	5.5	5.8	—
	9	6.9	6.9	6.0	6.5	6.9	5.7	5.2	4.9	4.7	4.9	5.4	5.7	—
	10	6.5	6.6	7.7	7.6	6.9	7.1	5.4	4.8	5.1	4.9	4.9	4.8	—
	11	5.8	6.3	7.6	7.1	6.5	7.0	6.1	5.1	4.7	4.6	4.9	6.1	—
	12	7.0	7.6	7.1	7.1	6.8	7.0	6.1	5.7	6.4	6.8	7.0	7.1	—
	13	6.9	7.0	7.1	7 0	6.6	6.0	5.3	4 8	4.9	5.8	6.6	7.1	—
	14	7.1	7.3	7.1	7.0	6.9	6.5	4.5	3.5	4.4	5.4	6.5	7.1	—
	15	7.1	8.1	6.9	6.6	6.8	6.1	4.8	5.5	5.6	6.1	7.1	8.1	—
	16	7.0	7.0	7.0	6.9	6.1	4.8	3 6	3.5	4.6	5.8	6.9	8.0	—
	17	7.0	7.1	7.1	7.0	6.5	5.7	4.6	4.6	4.6	4.9	6.9	7.9	—
	18	6.9	7.1	7.0	7.0	6.9	6.4	6.0	5.5	5.4	5.7	5.7	6.8	—
	19	6.4	6.8	6.9	6 6	6.4	5.8	5.6	5.3	4.9	5.3	5.8	6.5	—
	20	6.0	6.5	6.2	6.0	5.8	6.1	6.5	6.2	5.7	6.0	5.7	8.2	—
	21	6.1	6.1	6.5	6.2	6.0	6.0	6.1	4.7	4.9	4.9	5.7	7.1	—
	22	6.4	6.6	6.6	6.4	6.6	5.5	4.9	6.8	7.0	7.7	8 7	9.6	—
	23	6.8	6.8	6.8	6.9	6.9	5.7	5.5	5.4	5.8	7.0	7.7	8.4	—
	24	6.9	7.1	7.2	7.1	7.1	5.8	5.6	4.7	4.8	5.5	7.0	8.1	—
	25	6.9	7.1	7.1	6.9	7.0	7.2	6.9	6.3	6.1	5.2	4.8	7.4	—
	26	7.0	7.1	7.1	7.0	6.9	6.1	5.8	5.8	5.6	5.7	6.2	6.9	—
	27	6.4	6.5	6.3	6 1	6.0	6.3	5.5	5.7	5.6	6.3	7.1	8.0	—
	28	6.6	6.8	6.5	6.2	6.0	5.6	5.3	6.3	6.5	7.4	7.6	8.1	—
	29	6.5	6.6	6.6	6.2	6.0	5 4	4.5	3 9	4.4	6.0	7.4	8.2	—
	30	6.5	6.6	6.8	6.3	6.2	5.6	4.6	4.9	4.8	4.4	5 6	7.7	—
	31	5.7	6.0	5.4	5.5	6.3	4.9	5 2	5.7	6.3	6.8	8.9	10 2	—
Hourly Means.		6.71	6.96	6.95	6.69	6.65	6.06	5.28	4.86	4.95	5.57	6.43	7.50	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	10.4	10.4	10.0	9.0	8.2	8.0	8.0	7.7	7.2	7.1	7.1	7.0	7.68
	2	9.7	10.3	10.2	9.3	8.5	8.1	8.2	8.0	7.7	7.2	7.2	7.1	7.44
	3	9.5	9.7	9.4	8.9	8.1	8.1	8.0	7.7	7.6	7.4	7.4	7.0	7.43
	4	9.0	10.3	10.5	9.8	9.2	8.0	7.7	6.8	7 2	7.1	7.1	7.0	7.28
	5	8.9	9.8	9.8	9.3	8.8	8.1	8.1	7.8	7.6	7.3	7.1	7.0	7.19
	6	8 1	9.2	9.7	9.4	8.8	8.0	7.8	7.4	7.2	6.8	6.9	6.9	7.00
	7	8.8	9.4	10.1	10.5	10.5	9.3	8.8	8.1	7.0	7.1	5.4	5.1	7.15
	8	8.0	8.6	9.3	8.9	9.0	8.9	8.9	8 2	7.9	7.3	7.2	7.0	6.23
	9	7.9	8.7	8.8	8.7	8.5	8.6	8.7	8.1	7.1	6.4	7.1	5.3	6.82
	10	6.6	7.8	9.2	9.4	9.4	8.0	8.1	8.0	7.7	7.0	7.0	6.6	6.96
	11	6.6	8.0	8.8	9.4	8.8	8.1	8.1	7.3	7.7	6.9	6.6	6.9	6.88
	12	7.1	6.8	6.9	7.0	7.3	7.9	8.0	8.0	7.6	7.0	6 8	7.0	7.05
	13	8.0	8.0	8.0	8.2	9.2	7.8	7.8	7.7	7.6	7.1	6.9	7.0	7.02
	14	8.0	8.1	7.7	7.6	7.4	7.1	7.3	7.1	7.1	7.1	7.0	6.9	6.74
	15	8.9	9.2	8.4	7.6	7.2	7.7	7.7	7.7	7.2	7.0	7.1	7.0	7.15
	16	9.2	9.2	8.5	8.0	7.7	6.9	6.9	7.0	7.2	7.1	6.8	6.9	6.78
	17	9.2	9.0	8.8	8.1	7.3	7.1	7.2	7.2	7.2	7.1	7.0	6.9	6.92
	18	7.2	7.7	8.2	8.4	8.2	8.1	8.1	7.7	7.6	7.0	6.6	6.1	6.97
	19	7.6	8.1	8.6	8.5	8.4	8.4	8 6	8.2	7.8	7.1	6.9	5.6	6.92
	20	8.4	9.2	9.8	10.3	9.2	8.5	8.1	7.7	7.4	6.4	6.5	6.0	7.18
	21	9.5	9.4	10.2	10.0	10.0	9.3	8.7	7.8	7.7	7.0	6.4	6.1	7.18
	22	9.7	9.5	9.4	9.8	8.1	8.4	8.2	7.1	6.9	6.8	6.8	6.6	7.50
	23	9.5	9.4	10.1	10.2	9.3	8.2	7.8	7.6	7.3	7.0	7.0	6 5	7.48
	24	9.0	9.7	9.6	8.9	8.2	7.9	7.9	7.4	7.2	7.0	6.9	6.9	7.23
	25	9.3	8.8	9.0	8.2	8.0	7.4	7.4	7.4	7.3	7.0	6.9	6.9	7.19
	26	7.7	7.7	7.8	8.0	7.9	7.7	7.7	7.2	7.2	6.8	6.6	6.5	6.92
	27	7.8	7.8	7.7	7.6	7.3	7.1	7.2	7.1	7.1	6.9	6.9	6.8	6.80
	28	8.2	8 1	7.3	7.3	6.6	7.0	7.7	7.2	7.3	6.9	6.8	6.6	6.91
	29	9.0	9.2	9.3	9.0	8.2	8.1	7.8	7.3	7.0	6.8	6.4	6.3	6.92
	30	9.7	8.8	8 8	9.3	8.2	8.0	7.8	7.3	6.9	6.8	6.1	6.1	6.83
	31	10.4	9.5	8.2	7.2	7.0	7.7	7.8	7.2	7.0	6.9	6.8	6.6	7.05
Hourly Means.		8.61	8.88	8.97	8.77	8.34	7.98	7.94	7.55	7.34	6.98	6.82	6.59	7.06

HORIZONTAL FORCE. A.

HOURLY OBSERVATIONS. — 0.36800 + THE NUMBERS IN THE TABLE.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	358	358	362	360	358	358	367	379	391	401	405	400	—
	2	356	354	356	358	358	359	364	383	391	396	397	402	—
	3	365	358	362	364	364	365	367	377	397	405	405	406	—
	4	372	372	372	372	372	368	369	379	390	403	416	416	—
	5	365	368	369	368	370	370	376	382	395	410	419	424	—
	6	383	379	383	375	368	373	376	374	383	388	393	395	—
	7	373	380	375	379	376	373	371	377	385	391	399	388	—
	8	328	360	321	392	375	387	391	423	416	348	366	382	—
	9	368	364	373	361	362	376	391	392	405	410	424	402	—
	10	301	309	321	329	335	352	365	367	370	373	370	372	—
	11	353	348	343	348	353	359	370	371	377	383	382	377	—
	12	344	354	354	359	354	360	365	372	375	381	383	378	—
	13	366	365	358	359	363	364	369	376	384	392	395	392	—
	14	360	358	368	364	365	373	384	392	405	411	402	391	—
	15	370	353	364	358	360	358	364	376	382	386	386	383	—
	16	357	355	364	363	363	366	369	379	384	379	387	381	—
	17	360	358	360	362	365	367	373	384	391	392	391	388	—
	18	360	360	360	368	367	373	386	402	414	420	421	415	—
	19	368	369	367	372	377	382	392	401	409	420	430	430	—
	20	339	353	353	360	351	354	362	370	380	377	377	372	—
	21	345	349	352	354	353	359	355	366	364	367	377	363	—
	22	330	334	341	346	345	348	359	354	378	378	383	377	—
	23	334	345	336	337	339	343	347	355	362	373	376	380	—
	24	335	338	341	343	347	349	354	360	366	379	392	392	—
	25	348	349	348	352	353	358	359	364	364	372	381	382	—
	26	347	349	349	352	353	362	373	376	386	394	404	402	—
	27	360	357	357	354	359	362	367	363	367	373	376	387	—
	28	359	360	363	363	363	365	369	370	381	392	404	410	—
	29	357	354	353	353	358	356	372	372	386	398	404	404	—
	30	343	347	348	349	354	354	359	364	380	425	425	415	—
	31	301	304	316	324	334	342	352	358	381	411	398	398	—
Hourly Means.		351.8	353.6	354.5	358.0	358.5	362.4	368.9	376.1	385.1	391.2	395.7	393.7	—

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	384	369	358	358	358	358	357	357	359	356	353	359	367.6
	2	396	386	386	375	373	366	368	372	361	363	363	367	372.9
	3	401	387	379	374	372	367	367	371	369	373	372	373	376.7
	4	406	397	384	374	363	349	353	364	361	364	365	363	376.8
	5	418	405	392	381	372	355	353	358	363	367	370	373	380.1
	6	398	404	392	382	381	372	370	373	376	380	377	373	381.2
	7	373	369	353	324	291	264	251	249	247	297	281	320	341.1
	8	358	357	355	360	353	354	344	354	348	349	354	354	363.7
	9	396	377	370	363	364	345	319	313	318	306	319	321	364.1
	10	359	345	339	344	320	335	337	345	336	343	340	364	344.6
	11	368	361	348	348	349	346	342	333	335	334	348	344	355.0
	12	374	367	360	358	357	353	354	355	355	349	348	351	360 8
	13	385	383	378	369	345	363	364	364	360	359	364	360	369.9
	14	383	369	369	363	358	360	361	359	364	364	365	363	373.0
	15	373	368	364	367	364	363	362	354	356	360	355	358	366.0
	16	374	366	359	364	362	355	354	353	357	354	357	363	365.2
	17	385	374	367	364	364	362	363	362	360	359	359	359	369.5
	18	405	392	388	382	383	383	383	386	383	379	363	373	385.3
	19	410	401	379	378	369	350	348	349	354	359	351	354	380.0
	20	369	363	359	345	349	345	346	342	339	329	337	348	355.0
	21	341	327	322	322	321	320	332	334	321	328	332	333	343.2
	22	359	349	330	311	316	315	313	330	327	330	326	320	341.6
	23	376	364	352	345	346	338	335	327	334	336	335	338	348.0
	24	383	378	359	350	347	344	345	345	346	345	350	346	355.6
	25	385	382	373	358	359	350	349	351	349	345	341	344	359.0
	26	392	382	369	362	363	360	359	360	360	359	357	358	367.8
	27	380	370	368	353	360	361	360	362	361	360	355	358	363.8
	28	407	397	386	376	368	364	362	360	352	358	357	359	372.7
	29	395	385	370	352	349	346	340	345	347	344	331	341	363.0
	30	383	409	400	377	368	373	366	336	295	294	276	292	359.7
	31	393	373	364	358	354	355	353	354	354	340	344	345	354.4
Hourly Means.		384.2	376.0	366.8	359.3	354.8	350.7	348.7	348.9	346.7	347.8	346.6	350.8	363.8

VERTICAL FORCE. A.

HOURLY OBSERVATIONS. — 0.19700 + THE NUMBERS IN THE TABLE.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	817	817	814	814	817	823	821	787	780	767	759	769	—
	2	794	794	791	790	790	794	803	797	791	778	773	771	—
	3	796	801	797	796	794	792	792	788	777	766	762	763	—
	4	784	784	783	782	782	783	787	778	764	754	742	730	—
	5	784	783	782	782	781	785	792	796	781	759	748	737	—
	6	787	788	787	790	793	796	800	791	773	760	750	743	—
	7	785	782	784	782	784	787	796	792	787	783	752	736	—
	8	790	779	805	773	781	790	774	764	755	787	782	771	—
	9	796	804	797	803	801	794	787	796	796	790	777	778	—
	10	830	824	810	804	803	797	798	801	804	804	819	811	—
	11	801	804	807	803	801	799	801	812	817	812	799	778	—
	12	808	803	804	801	804	802	803	799	798	797	794	794	—
	13	791	791	797	797	796	798	796	782	772	764	771	767	—
	14	792	793	788	790	790	794	796	788	776	776	774	769	—
	15	790	798	793	796	794	801	798	789	787	786	786	781	—
	16	798	801	794	796	798	806	801	794	787	784	771	764	—
	17	801	803	801	798	799	805	809	803	802	791	779	773	—
	18	805	805	804	800	801	801	796	784	775	769	766	770	—
	19	805	804	803	798	796	796	791	795	781	773	767	763	—
	20	833	822	819	812	818	817	814	817	816	817	808	801	—
	21	826	825	823	821	821	817	827	828	823	817	803	808	—
	22	830	826	823	817	819	823	811	805	792	787	779	782	—
	23	822	817	821	820	820	821	814	799	790	788	791	786	—
	24	827	824	823	822	819	824	822	815	805	788	770	771	—
	25	817	814	814	810	808	806	808	808	803	797	771	744	—
	26	810	810	810	808	808	805	803	802	802	799	786	782	—
	27	797	798	799	799	796	795	798	797	790	782	770	764	—
	28	791	792	790	790	790	788	785	797	790	783	775	762	—
	29	804	805	801	801	798	803	800	791	778	761	745	740	—
	30	803	801	798	798	797	798	762	792	788	756	751	750	—
	31	819	812	802	795	791	796	785	755	755	744	760	770	—
Hourly Means.		804.3	803.4	802.1	799.6	799.7	801.2	799.0	794.9	788.2	781.3	773.5	768.6	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily and Monthly Means.
DECEMBER.	1	777	779	789	790	797	800	800	800	800	801	801	795	796.4
	2	783	789	796	801	800	803	798	797	803	803	803	796	793.3
	3	767	776	785	788	790	789	789	788	790	788	787	785	785.3
	4	735	739	754	769	786	797	796	791	790	789	786	787	773.8
	5	733	743	760	776	790	802	803	797	794	792	790	790	778.3
	6	742	741	750	768	778	788	790	788	787	784	785	786	776.9
	7	743	751	761	793	818	833	834	832	835	803	816	803	790.5
	8	775	775	775	778	790	801	805	803	808	808	804	803	786.5
	9	775	783	791	796	798	809	824	829	825	832	823	819	801.0
	10	808	809	798	791	810	810	808	805	808	804	805	795	806.5
	11	769	771	773	782	792	804	810	817	817	818	804	808	800.0
	12	798	803	798	794	796	801	801	801	801	803	803	800	800.3
	13	770	775	773	775	796	794	794	794	796	797	793	793	786.3
	14	768	773	771	774	784	790	791	794	792	793	793	793	785.1
	15	782	784	784	787	793	803	803	802	804	805	805	803	793.9
	16	764	771	783	789	796	807	808	808	805	808	805	802	793.3
	17	769	780	784	793	800	804	805	808	809	810	810	808	797.7
	18	778	786	788	794	795	796	798	798	801	805	814	805	793.1
	19	778	785	794	796	812	828	830	828	824	821	826	825	800.8
	20	814	821	819	825	821	828	828	830	833	841	832	825	821.3
	21	814	821	824	823	831	832	826	825	836	832	832	830	823.5
	22	810	825	837	846	839	837	838	828	831	829	828	831	819.7
	23	788	801	809	822	825	832	833	836	832	827	827	826	814.5
	24	782	783	796	811	821	822	819	818	817	818	817	817	809.6
	25	750	777	792	804	807	817	815	812	812	814	818	815	801.4
	26	787	794	798	803	805	808	805	803	803	803	805	799	801.6
	27	776	787	792	800	796	796	794	792	793	793	795	794	791.4
	28	778	799	811	815	816	812	810	808	812	808	806	803	796.3
	29	748	761	782	799	804	807	812	808	808	811	815	806	791.2
	30	757	762	777	796	807	801	804	823	848	839	843	830	795.0
	31	786	810	823	821	805	792	795	796	796	799	798	794	791.6
Hourly Means.		774 3	782.4	789.3	796.7	803.2	807.8	808.6	808.4	810.0	809.0	808.7	805.4	796.7

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	5	5	0	1	— 1	— 2	2	6	8	3	— 6	— 10	—
	2	— 6	— 6	— 4	— 4	— 4	— 3	— 1	2	3	12	9	— 1	—
	3	— 3	— 4	— 5	— 1	— 1	— 3	3	3	1	4	0	— 1	—
	4	— 3	— 3	— 5	— 3	— 2	— 3	0	4	5	8	4	2	—
	5	1	1	1	— 1	— 1	— 5	— 2	— 2	— 2	1	3	4	—
	6	— 3	— 3	— 5	— 7	— 7	— 3	— 1	6	6	6	3	2	—
	7	— 1	— 1	0	1	0	— 9	— 5	4	5	— 3	3	5	—
	8	— 3	— 3	— 1	— 1	0	— 1	— 1	— 1	— 1	— 3	— 4	7	—
	9	0	— 1	— 1	0	— 1	— 5	— 2	7	7	3	4	17	—
	10	— 1	0	1	1	2	— 5	— 2	— 4	— 4	— 6	3	6	—
	11	— 5	— 5	— 5	— 5	— 2	— 6	— 2	10	9	6	9	12	—
	12	1	3	3	2	— 1	— 11	— 21	— 20	— 1	13	18	14	—
	13	0	1	— 1	0	— 1	3	6	4	4	— 1	— 11	— 6	—
	14	0	— 1	— 2	— 2	— 1	— 9	— 7	5	7	11	11	11	—
	15	0	1	2	3	1	3	1	0	— 7	— 11	— 5	— 4	—
	16	3	1	2	3	4	7	9	5	— 1	— 9	— 10	— 15	—
	17	— 8	— 7	— 2	— 4	1	14	10	4	— 3	— 14	— 3	5	—
	18	0	8	8	7	11	14	17	4	— 6	— 6	— 10	— 24	—
	19	— 3	— 1	— 1	0	4	14	18	7	0	— 2	— 11	— 11	—
	20	7	2	8	7	7	9	8	2	1	— 3	— 13	— 22	—
	21	3	1	2	2	3	— 4	— 2	0	0	6	5	— 3	—
	22	6	4	— 1	— 2	— 4	— 4	— 8	— 6	13	11	1	— 8	—
	23	0	0	1	— 2	— 1	— 2	— 8	— 2	2	10	17	14	—
	24	7	5	3	5	— 3	— 5	— 12	— 11	— 1	1	9	— 3	—
	25	3	2	3	2	— 2	— 6	— 9	— 7	— 6	1	7	10	—
	26	3	2	1	2	2	— 2	— 3	— 3	— 10	— 8	— 5	0	—
	27	— 1	0	0	2	3	7	1	— 7	— 9	— 11	— 6	3	—
	28	— 1	0	0	0	1	4	8	— 1	— 2	— 6	— 8	— 5	—
	29	1	1	1	0	— 2	9	4	— 4	— 5	— 11	— 9	— 5	—
	30	0	— 1	— 2	— 1	— 1	3	3	— 4	— 5	— 2	— 3	4	—
	31	— 3	1	1	— 1	— 1	0	— 1	1	0	2	0	4	—
Hourly Amount.		81	74	72	72	75	175	177	146	134	194	210	238	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JANUARY.	1	— 6	1	4	7	7	4	— 2	0	0	0	— 7	— 6	93
	2	— 7	— 9	— 11	— 3	3	3	0	2	0	3	2	— 2	100
	3	0	— 2	1	8	6	3	1	— 1	— 1	— 2	— 3	— 2	59
	4	— 4	— 6	— 5	— 6	— 4	2	4	4	1	2	3	3	86
	5	0	— 2	— 5	— 3	1	3	4	3	3	1	— 1	— 8	58
	6	0	7	6	4	— 1	0	1	— 2	— 2	— 3	— 2	— 2	82
	7	4	6	3	0	2	— 2	— 2	— 1	— 1	— 1	— 4	— 2	65
	8	10	5	— 2	— 5	— 8	— 3	1	1	1	0	1	— 1	64
	9	13	14	3	— 6	— 6	— 7	— 7	— 5	— 3	— 2	— 1	— 2	117
	10	— 2	— 5	— 5	— 5	— 1	4	5	5	4	3	— 1	— 2	77
	11	17	8	6	1	— 6	— 5	— 7	— 5	— 4	— 1	0	0	136
	12	10	— 4	— 3	— 4	2	6	0	0	— 5	— 5	— 3	1	151
	13	— 1	5	3	— 3	— 5	— 6	0	0	1	0	1	1	64
	14	16	13	2	— 8	— 5	— 3	— 3	— 3	— 4	— 3	0	2	129
	15	— 4	2	6	4	— 2	— 2	0	0	— 1	4	3	3	69
	16	— 23	— 15	0	12	11	9	7	3	2	3	— 4	— 2	160
	17	4	2	5	0	— 8	— 8	— 2	— 2	— 1	1	2	— 2	112
	18	— 23	— 9	— 8	5	8	1	1	2	1	— 6	0	— 1	180
	19	— 8	— 13	— 4	5	— 3	— 1	1	— 1	2	4	4	4	122
	20	— 23	— 10	— 1	7	10	8	4	— 1	0	1	1	2	157
	21	— 15	— 26	— 23	— 11	1	1	8	10	5	5	6	5	147
	22	— 12	0	4	3	0	2	— 2	— 2	0	0	0	— 1	94
	23	4	— 9	— 13	— 16	— 6	1	3	4	4	3	4	4	130
	24	2	5	3	1	— 1	2	— 4	— 2	— 1	0	0	0	86
	25	10	— 11	— 6	— 11	— 8	0	5	3	4	3	3	5	127
	26	9	14	14	10	3	— 6	— 9	— 8	— 6	— 6	— 5	0	131
	27	9	11	4	— 2	— 4	— 4	— 2	— 1	0	1	1	2	91
	28	1	2	4	11	7	0	— 1	— 1	2	— 3	— 2	0	70
	29	1	4	1	— 2	— 2	— 2	1	1	0	1	2	— 1	70
	30	9	14	8	1	3	— 5	— 6	— 5	— 5	— 5	— 4	— 3	97
	31	6	3	3	— 2	2	1	— 2	— 1	— 1	1	3	4	44
Hourly Amount.		253	237	166	166	136	104	95	79	65	73	73	73	3168

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	1	6	1	0	1	2	5	8	— 2	1	— 4	— 2	—
	2	1	3	4	4	6	6	7	4	4	4	9	— 1	—
	3	1	— 4	— 3	— 3	— 2	2	5	3	0	2	— 1	— 6	—
	4	— 1	— 1	— 2	— 4	0	— 1	2	3	5	3	0	— 2	—
	5	0	0	— 1	— 3	— 3	— 6	— 1	7	2	— 2	— 3	— 1	—
	6	10	4	4	10	6	— 1	2	— 3	1	1	4	1	—
	7	3	4	0	— 1	— 2	— 1	0	— 5	— 1	5	6	6	—
	8	— 2	— 1	1	0	0	— 3	— 7	— 7	— 3	5	8	1	—
	9	1	0	1	0	3	3	2	1	1	4	5	1	—
	10	— 3	— 4	— 4	— 6	— 2	— 1	2	13	10	8	— 1	— 9	—
	11	— 4	— 1	— 1	— 2	2	7	6	2	— 3	— 5	— 12	— 11	—
	12	0	1	— 5	2	— 4	14	10	2	16	14	2	— 3	—
	13	— 6	— 4	— 5	— 1	0	0	— 3	— 7	— 2	0	8	0	—
	14	— 2	— 2	— 4	— 5	— 1	2	14	12	8	9	— 7	— 8	—
	15	— 6	0	— 3	0	5	2	2	— 2	— 4	0	2	4	—
	16	— 1	— 5	— 1	1	6	3	4	4	11	— 4	— 20	— 10	—
	17	— 13	— 8	0	5	— 5	— 5	— 5	3	3	3	— 5	— 14	—
	18	28	3	1	— 2	— 7	2	— 5	— 7	— 7	— 6	— 1	4	—
	19	7	2	7	8	0	— 7	— 1	1	— 1	— 1	— 2	— 1	—
	20	6	19	11	8	4	3	— 1	— 5	— 11	— 3	— 2	— 7	—
	21	— 1	— 2	— 2	0	— 5	0	0	— 1	1	0	2	4	—
	22	— 9	— 1	2	3	0	4	0	2	4	— 2	2	3	—
	23	— 1	— 3	— 2	— 4	— 2	— 3	— 1	0	— 3	2	3	5	—
	24	— 2	3	6	— 3	10	8	9	9	2	— 12	— 10	18	—
	25	— 1	— 1	— 1	— 1	1	0	1	3	6	6	8	8	—
	26	— 2	— 3	3	— 1	— 4	— 2	— 7	— 8	— 8	— 8	— 3	9	—
	27	— 1	— 1	— 3	— 6	— 4	— 6	— 6	— 7	— 8	— 4	5	9	—
	28	— 1	— 4	— 4	— 3	— 4	— 1	— 9	— 6	— 5	— 6	— 7	1	—
	29	— 6	— 2	5	8	9	3	— 2	— 2	— 4	3	10	— 8	—
	30	— 1	— 2	— 3	— 3	— 3	— 7	— 15	— 9	— 8	— 10	10	5	—
	31	4	— 4	— 3	— 4	— 3	— 6	— 10	— 8	— 10	— 11	— 8	— 2	—
Hourly Amount.		125	98	93	101	104	111	144	154	154	144	170	164	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JANUARY.	1	— 6	— 3	— 3	0	0	— 5	— 4	— 6	— 2	— 6	3	2	73
	2	— 4	— 6	— 1	4	6	0	4	— 3	— 5	— 13	— 9	— 5	113
	3	— 3	3	— 1	1	— 2	3	— 2	— 1	3	— 3	3	2	59
	4	— 1	0	1	— 3	— 4	1	2	1	1	— 1	0	1	40
	5	3	1	— 2	— 6	— 4	8	3	— 5	— 8	1	— 10	14	94
	6	— 6	— 7	— 8	4	2	— 8	— 10	— 2	— 6	— 8	6	1	115
	7	— 2	3	4	5	3	2	0	— 6	— 6	— 3	— 5	— 1	74
	8	0	— 2	— 3	— 2	— 1	1	1	— 1	1	— 2	— 1	1	54
	9	— 2	— 4	— 3	— 4	3	4	1	— 1	— 2	— 5	— 5	— 5	61
	10	4	— 5	0	2	3	6	5	5	6	0	1	— 5	105
	11	— 2	0	2	1	— 5	— 3	— 2	— 3	— 4	— 5	— 2	— 1	86
	12	— 8	1	— 8	— 7	— 6	5	12	12	1	2	9	— 8	152
	13	— 2	— 7	— 9	— 1	5	6	6	4	5	0	3	1	85
	14	— 6	— 1	0	— 2	— 10	— 13	— 15	— 1	1	4	2	1	130
	15	— 2	— 5	— 5	— 4	— 1	5	4	5	4	— 2	— 4	— 4	75
	16	8	13	25	9	7	5	14	11	25	13	— 11	— 44	255
	17	— 7	— 6	— 4	— 10	— 5	— 1	— 2	1	4	0	— 2	16	127
	18	12	11	2	2	— 2	— 5	— 5	— 6	2	12	4	0	136
	19	— 11	7	4	— 15	— 12	— 12	— 11	5	— 6	— 2	1	5	129
	20	— 4	3	— 1	— 6	— 9	— 6	— 4	— 1	4	9	5	3	135
	21	0	0	1	13	6	1	— 5	— 2	— 1	— 5	— 1	11	64
	22	3	— 5	— 7	— 4	0	— 1	1	0	— 2	— 2	— 1	3	61
	23	2	— 5	— 7	— 6	— 7	— 5	8	6	7	2	2	5	91
	24	— 9	— 16	— 3	5	6	— 4	— 9	— 20	— 20	11	— 3	— 3	201
	25	3	— 5	— 3	0	3	1	1	0	0	0	3	2	58
	26	9	8	5	2	2	1	— 2	1	0	0	3	0	91
	27	13	6	6	2	2	2	5	4	2	4	3	5	114
	28	5	5	4	5	12	8	— 6	— 5	2	0	0	— 5	108
	29	— 1	3	— 4	— 4	— 3	— 3	4	1	— 2	3	6	5	101
	30	12	4	9	7	4	4	4	1	4	0	7	6	138
	31	2	6	12	15	10	5	3	1	2	1	1	3	134
Hourly Amount.		152	151	147	151	145	134	155	121	138	119	116	168	3259

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JANUARY.	1	1	0	3	3	2	3	— 4	— 5	2	6	7	1	—
	2	1	0	— 2	— 3	— 4	— 5	— 7	— 22	— 20	— 19	— 8	35	—
	3	— 3	3	1	1	1	0	— 5	— 12	— 13	— 9	— 4	— 4	—
	4	— 3	— 4	— 6	— 7	— 9	— 10	— 13	— 4	— 4	— 4	3	6	—
	5	— 2	0	0	1	— 1	— 1	— 9	— 12	— 13	— 5	— 2	2	—
	6	— 4	— 4	— 3	— 5	— 5	— 4	— 6	— 4	— 3	— 7	— 2	9	—
	7	— 1	1	2	3	4	7	— 7	— 10	— 4	— 5	— 4	— 3	—
	8	0	— 1	0	0	0	1	3	4	2	2	— 8	— 9	—
	9	— 1	0	1	1	1	4	1	2	7	9	5	— 15	—
	10	2	1	3	4	4	6	4	— 7	0	— 10	— 7	2	—
	11	3	3	3	1	0	1	— 1	— 11	— 2	1	4	— 3	—
	12	— 3	— 2	0	— 2	1	— 2	0	11	— 14	— 16	— 11	— 12	—
	13	1	— 4	— 4	— 3	— 5	— 5	— 4	1	0	3	2	6	—
	14	4	4	5	5	4	5	— 16	— 21	— 19	— 9	— 2	— 1	—
	15	3	0	1	— 2	— 3	— 2	6	9	7	2	— 4	— 8	—
	16	5	6	5	3	1	0	1	1	0	5	8	6	—
	17	7	1	— 4	— 9	— 5	— 11	— 8	14	15	8	7	0	—
	18	— 15	0	— 1	3	4	1	7	12	5	6	1	— 6	—
	19	— 7	0	2	4	9	10	20	36	43	40	38	39	—
	20	— 9	— 16	— 7	— 2	6	7	14	7	14	14	9	7	—
	21	2	1	0	0	2	2	— 2	— 3	— 5	— 9	2	8	—
	22	1	2	1	1	3	4	8	— 4	— 9	8	16	6	—
	23	3	3	1	1	— 3	1	3	3	— 1	— 19	— 16	2	—
	24	1	— 4	— 1	3	— 2	1	— 1	— 6	— 5	1	3	— 1	—
	25	— 3	— 6	— 6	— 5	— 6	— 1	— 1	— 7	— 8	— 26	— 25	— 12	—
	26	1	3	3	7	7	8	7	0	10	4	— 6	— 22	—
	27	— 5	— 5	— 2	— 2	— 4	— 6	1	16	13	11	— 3	— 16	—
	28	4	4	5	3	4	— 4	5	— 5	— 2	8	12	— 3	—
	29	3	1	— 4	— 6	— 10	— 6	5	17	14	13	— 4	— 6	—
	30	6	6	6	2	1	0	— 2	5	3	4	— 6	— 11	—
	31	4	6	5	3	3	2	— 3	— 8	— 8	— 4	— 8	— 1	—
Hourly Amount.		108	91	87	95	114	120	174	279	265	287	237	262	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JANUARY.	1	0	— 6	— 7	— 8	1	4	2	3	3	5	4	2	82
	2	28	24	15	0	0	2	— 1	1	1	2	0	0	200
	3	5	7	1	1	5	0	1	1	— 1	— 5	— 7	— 2	92
	4	14	18	14	12	11	— 2	— 1	— 1	— 2	— 2	— 3	— 3	156
	5	6	10	8	5	4	— 4	— 2	4	2	— 2	2	— 8	105
	6	10	8	3	3	5	7	4	0	0	1	— 5	— 3	105
	7	— 4	1	1	0	— 1	1	3	3	1	0	— 1	— 3	70
	8	1	5	10	7	7	1	— 2	— 1	— 2	— 1	— 1	— 4	72
	9	— 21	— 11	5	— 3	— 3	1	0	2	2	3	3	2	103
	10	6	6	— 2	— 2	— 8	— 6	— 5	— 2	— 1	0	4	5	97
	11	— 1	— 1	0	8	6	0	0	0	0	1	1	— 1	52
	12	4	3	10	6	4	— 4	— 3	— 1	6	4	1	6	126
	13	6	3	6	0	1	— 4	— 6	— 3	— 3	0	0	3	73
	14	2	17	14	6	1	1	8	— 5	— 8	— 7	— 6	— 5	175
	15	— 4	— 3	2	4	0	— 5	— 4	— 3	— 2	3	2	4	83
	16	— 3	— 17	— 24	— 20	— 12	— 4	— 7	— 4	— 11	— 6	9	24	182
	17	— 6	— 5	1	14	11	4	0	— 2	— 3	— 2	1	— 5	143
	18	— 12	— 10	— 5	— 8	0	6	2	0	— 5	— 7	— 5	— 3	124
	19	5	— 4	— 10	3	6	— 3	— 7	— 21	— 9	— 12	— 13	— 12	353
	20	— 22	— 28	— 26	— 16	— 22	0	1	2	0	— 2	— 3	— 3	237
	21	15	4	— 5	— 16	— 11	— 1	2	4	4	6	4	— 3	111
	22	— 6	— 17	— 13	— 11	— 9	— 6	0	1	2	2	3	1	134
	23	18	20	25	14	1	— 4	— 9	— 6	— 3	— 2	— 1	— 1	160
	24	8	2	— 9	— 8	— 2	7	11	19	14	7	0	1	117
	25	9	31	26	13	3	— 2	— 3	2	— 1	0	— 1	— 2	199
	26	— 23	— 22	— 6	2	3	4	3	— 1	1	— 1	— 5	— 6	155
	27	— 16	— 10	— 4	12	10	6	0	2	1	1	1	— 1	148
	28	— 9	— 9	— 12	— 13	— 6	— 3	5	1	— 5	0	1	4	127
	29	— 7	— 8	— 13	— 9	— 6	— 5	— 8	— 1	3	2	0	2	153
	30	— 11	— 11	— 3	5	5	4	4	4	2	4	— 1	— 1	107
	31	2	5	— 1	— 4	— 7	1	2	1	3	3	2	1	87
Hourly Amount.		284	326	281	233	171	102	106	101	101	93	90	121	4128

EASTERLY DECLINATION. D.

DEVIATIONS — UNITY = 0′.1.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	3	1	—1	1	0	3	6	4	—1	—8	—16	—14	—
	2	—5	—3	—2	—2	—1	—3	—2	—3	4	1	—3	—5	—
	3	—4	—2	—5	—5	—5	—3	—1	—1	6	5	—1	2	—
	4	—2	—2	—2	—3	—4	—8	—8	1	11	12	0	—6	—
	5	1	—1	—5	—7	—5	—10	—8	—3	13	13	9	15	—
	6	—1	—2	—3	—3	—10	—16	—21	—4	3	17	15	10	—
	7	4	4	7	6	6	0	—7	—1	—4	1	—2	—4	—
	8	—1	1	—3	—2	—2	1	—2	—2	1	7	10	9	—
	9	8	6	5	4	—1	—8	—9	—2	2	0	—1	1	—
	10	3	—3	—2	1	—3	—10	—7	—7	5	8	11	8	—
	11	—1	4	7	3	0	—1	—6	—3	—7	—9	0	—2	—
	12	4	3	—2	5	5	8	3	—1	—4	—12	—7	0	—
	13	4	—2	6	15	15	13	14	4	2	—9	—18	—23	—
	14	—5	—1	6	3	10	8	11	15	—5	—6	—8	—15	—
	15	—7	0	7	0	3	19	1	1	7	8	—6	—12	—
	16	—9	—7	—7	—9	—5	—4	—4	3	8	9	2	—5	—
	17	—1	0	1	4	3	4	3	—9	—7	2	6	0	—
	18	—2	—5	—5	—7	—11	—8	5	13	17	23	21	19	—
	19	—3	0	—1	—2	0	—3	5	—8	—2	2	8	1	—
	20	2	2	1	1	—3	1	5	—1	—7	—6	—3	0	—
	21	1	1	0	0	0	0	—5	—4	—7	—3	2	8	—
	22	0	0	—1	—1	0	—2	0	2	—1	—1	—1	13	—
	23	3	4	3	3	2	2	—2	—7	—10	—11	2	5	—
	24	1	—1	—3	—3	—3	—4	1	1	2	2	13	17	—
	25	8	6	6	5	7	8	3	—2	—9	—13	—11	—5	—
	26	1	0	1	0	2	4	4	—1	—5	—7	—5	4	—
	27	—5	1	—5	—2	0	5	9	5	—3	—17	—4	—5	—
	28	0	1	1	2	3	8	12	10	—6	—12	—16	—16	—
	Hourly Amount.	89	63	98	99	109	164	164	118	159	224	201	224	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
FEBRUARY.	1	—7	1	2	3	2	0	6	9	4	2	2	—5	101
	2	—7	—5	0	5	4	6	3	3	4	3	3	1	78
	3	8	7	6	3	1	—1	—3	—4	—1	—1	—1	—3	79
	4	—5	—5	0	6	3	1	1	2	1	2	2	1	88
	5	3	1	4	6	1	—4	—4	—3	—1	0	1	—4	122
	6	8	7	—2	—4	—6	—6	—4	—4	—2	—1	—2	3	154
	7	—3	—12	—7	—1	2	1	3	3	4	3	2	—4	91
	8	1	—10	—11	—12	—7	0	1	4	5	5	8	8	113
	9	—3	—5	—5	—6	—1	1	3	3	5	4	—3	2	88
	10	8	3	2	—3	—6	—6	—2	—2	0	3	3	4	110
	11	—2	—2	—3	0	1	0	1	1	2	3	2	1	61
	12	16	13	2	—7	—6	—7	—5	2	—5	—10	—2	—2	131
	13	—12	—4	0	5	0	—1	0	—3	—1	0	—2	—1	154
	14	—9	2	3	3	5	—1	2	—6	0	1	—7	—6	138
	15	—13	—6	—1	10	14	9	11	6	0	—2	—6	—5	154
	16	0	3	8	4	3	0	—4	—3	—2	—1	—1	—1	102
	17	—2	—8	—11	—5	0	4	—1	1	2	2	0	1	77
	18	8	4	3	—3	—4	—6	—8	—8	—8	—5	—5	—3	201
	19	—2	3	4	—1	3	4	0	—2	—2	—1	0	1	58
	20	5	2	1	4	2	1	1	0	1	1	0	0	50
	21	5	1	—1	—1	2	3	0	—2	—2	—3	—2	—1	54
	22	5	1	—2	—7	—6	—2	—2	3	1	2	3	4	60
	23	2	—2	—3	—5	1	1	1	1	0	—1	—1	—1	73
	24	12	4	—1	—6	—8	—7	—4	—6	—4	—3	0	5	111
	25	—2	—4	—5	—4	—1	6	3	2	—4	0	1	3	118
	26	7	11	4	1	—3	—2	0	—1	—2	—2	3	—1	71
	27	—3	2	7	5	6	5	0	0	0	—1	1	0	91
	28	—11	—3	4	7	5	0	1	1	2	0	2	1	124
	Hourly Amount.	169	131	102	127	103	85	74	85	65	62	65	72	2852

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	— 4	0	— 6	— 6	— 5	— 6	— 5	— 13	— 17	— 17	— 6	1	—
	2	2	— 3	— 2	0	4	2	3	1	— 9	— 3	4	5	—
	3	— 2	1	3	5	2	0	— 3	— 2	3	3	8	2	—
	4	— 4	2	0	— 1	— 1	— 2	— 2	— 5	— 4	— 4	— 1	2	—
	5	— 3	0	0	— 1	1	— 2	— 2	— 3	— 5	— 4	— 2	— 3	—
	6	— 10	— 1	2	5	6	10	14	5	5	— 8	— 2	— 2	—
	7	5	3	— 3	— 1	— 1	— 3	— 5	— 1	— 3	2	10	3	—
	8	— 2	— 3	— 3	— 2	— 2	— 2	— 1	5	12	7	5	— 3	—
	9	— 2	— 1	— 4	— 5	— 2	— 1	1	— 1	— 1	0	— 1	4	—
	10	— 5	— 15	— 34	— 14	— 5	8	— 15	6	— 5	— 15	— 13	— 9	—
	11	— 5	2	2	4	— 2	1	5	5	11	6	1	0	—
	12	1	— 6	20	— 23	9	3	5	8	— 7	17	— 2	— 10	—
	13	2	— 5	2	— 3	0	5	0	12	5	2	— 7	— 4	—
	14	24	13	0	9	5	— 1	— 3	— 3	4	3	— 9	— 5	—
	15	1	— 3	10	17	0	12	41	23	16	— 14	— 36	— 52	—
	16	13	14	10	7	0	— 1	10	— 1	7	6	4	4	—
	17	— 5	— 1	1	— 4	1	1	5	1	0	3	7	8	—
	18	23	11	— 1	— 1	— 3	— 7	— 10	— 4	— 6	— 4	6	9	—
	19	— 6	— 7	— 1	— 1	— 1	1	0	2	7	3	2	1	—
	20	1	4	1	0	0	— 5	— 6	— 7	— 4	— 7	6	9	—
	21	— 1	0	— 1	5	1	— 2	— 5	— 8	— 2	0	7	4	—
	22	0	6	3	3	1	— 4	— 5	— 4	— 1	3	7	3	—
	23	0	4	6	6	6	2	1	3	— 2	4	4	6	—
	24	— 4	— 1	— 1	0	— 2	— 4	— 6	— 2	4	8	9	7	—
	25	— 3	— 4	— 1	3	— 4	— 2	— 11	— 7	— 10	— 6	8	9	—
	26	— 1	— 3	— 2	— 1	— 5	— 5	— 6	— 6	— 4	5	8	8	—
	27	— 12	— 9	— 5	— 3	— 3	2	— 2	— 5	0	10	— 14	— 7	—
	28	— 2	3	0	1	3	0	0	0	2	— 2	0	6	—
Hourly Amonnt.		143	125	124	131	75	94	172	143	156	166	189	186	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
FEBRUARY.	1	14	22	25	23	13	— 2	— 11	— 12	— 10	— 2	— 8	3	231
	2	0	— 2	2	5	0	— 7	— 4	— 1	— 3	— 3	— 6	2	73
	3	3	2	1	3	1	— 3	— 4	0	— 8	— 4	0	0	63
	4	2	9	12	8	5	1	— 2	1	— 2	— 1	— 4	— 2	77
	5	3	11	8	2	1	4	5	3	— 2	— 5	— 14	— 15	99
	6	0	0	3	2	2	2	3	1	— 2	— 6	— 1	— 6	98
	7	— 4	0	— 2	0	— 2	— 2	— 1	0	— 3	— 2	— 3	— 2	61
	8	— 6	— 6	— 3	2	3	1	0	— 5	— 2	— 1	3	0	79
	9	6	4	5	10	14	17	19	19	10	15	3	7	152
	10	— 8	— 9	— 4	— 2	5	3	4	— 4	3	— 1	3	7	197
	11	4	— 5	— 12	— 8	1	4	2	3	8	9	6	4	110
	12	— 13	— 14	— 5	0	6	6	8	1	— 10	— 28	— 4	0	206
	13	3	— 2	— 11	— 22	— 12	— 2	— 1	2	5	2	8	20	137
	14	— 4	— 6	— 1	2	— 7	3	11	3	10	15	22	3	166
	15	— 51	— 37	— 40	— 38	— 37	— 18	— 18	— 8	27	7	18	21	545
	16	4	6	17	17	7	0	— 5	— 5	— 10	— 2	— 3	— 3	156
	17	— 7	— 7	— 9	— 11	— 7	— 1	— 10	5	3	6	5	0	108
	18	8	4	— 3	— 4	5	3	4	— 1	1	1	1	— 7	127
	19	— 3	— 7	— 11	— 2	3	6	2	— 2	— 4	— 3	— 3	8	86
	20	8	11	5	2	0	— 1	— 4	0	— 3	— 2	0	— 1	87
	21	1	2	2	1	— 1	— 3	0	— 2	— 3	— 3	— 5	— 3	62
	22	1	2	3	1	— 1	— 2	— 2	0	— 2	— 3	— 4	— 5	66
	23	6	— 4	— 3	— 3	— 4	— 3	— 8	— 9	— 5	— 2	— 2	— 2	95
	24	8	5	4	2	1	— 5	— 2	3	0	8	2	— 3	91
	25	7	7	3	— 2	0	1	10	— 4	— 4	— 3	— 3	— 4	116
	26	7	9	12	13	9	7	6	11	9	12	— 9	— 19	177
	27	— 4	1	2	3	2	— 4	0	— 2	— 4	— 2	— 2	— 6	104
	28	10	6	2	— 4	— 9	— 6	— 4	2	— 2	0	1	— 1	66
Hourly Amount.		195	200	210	192	158	117	150	109	155	148	143	154	3635

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0 00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
FEBRUARY.	1	0	0	3	— 1	1	— 2	— 7	— 10	— 2	3	— 10	— 4	—
	2	0	2	0	— 1	— 4	— 3	— 6	— 9	0	4	3	5	—
	3	— 1	0	0	— 2	1	3	0	— 8	— 5	3	4	2	—
	4	0	— 2	1	4	5	6	1	— 4	0	6	15	12	—
	5	3	1	3	4	5	7	3	0	— 4	8	9	6	—
	6	3	— 3	— 2	— 3	2	5	— 2	0	— 5	6	— 3	— 5	—
	7	— 8	— 7	1	2	— 1	1	4	12	13	6	1	0	—
	8	— 1	0	— 2	— 2	— 2	— 1	0	— 7	— 14	— 11	— 4	3	—
	9	— 4	— 4	— 3	— 3	— 2	2	— 1	8	2	0	— 5	— 12	—
	10	10	22	30	12	5	3	14	— 25	— 15	0	13	21	—
	11	2	0	— 7	— 1	2	3	8	2	6	1	— 7	— 3	—
	12	3	5	— 5	17	— 4	— 6	— 2	2	2	— 17	— 10	— 6	—
	13	— 4	2	— 2	— 4	— 3	— 9	2	5	2	2	2	— 7	—
	14	— 12	0	7	2	2	6	8	8	8	8	12	5	—
	15	14	14	2	— 2	3	— 3	— 12	— 12	— 20	— 3	7	21	—
	16	— 5	— 2	1	2	7	5	— 5	— 9	— 8	— 2	17	12	—
	17	— 2	— 6	— 7	— 7	— 8	— 9	— 10	2	— 2	— 5	— 14	5	—
	18	— 12	— 9	1	1	1	1	— 3	— 1	2	— 2	— 4	0	—
	19	2	0	— 4	— 4	— 8	— 6	— 9	— 5	— 13	— 14	— 4	4	—
	20	— 5	— 5	— 1	1	2	4	4	20	16	10	— 6	— 13	—
	21	— 2	— 2	— 1	— 5	0	1	6	4	0	3	— 4	— 3	—
	22	— 1	— 9	— 2	— 3	— 2	1	1	2	11	— 4	— 9	— 11	—
	23	— 2	— 3	— 5	— 4	— 4	— 1	— 2	4	5	— 7	— 8	— 5	—
	24	— 1	— 3	— 4	— 3	0	— 1	— 4	— 9	— 11	— 12	— 10	1	—
	25	1	2	— 3	— 4	2	2	12	0	6	6	0	— 8	—
	26	— 2	— 2	— 4	— 3	— 1	— 4	— 3	8	12	4	— 6	— 19	—
	27	8	3	— 4	— 3	— 5	— 8	— 2	12	9	— 4	4	1	—
	28	3	0	2	0	0	— 1	3	2	7	11	4	— 2	—
Hourly Amount.		111	108	107	100	82	104	134	190	200	162	195	196	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
FEBRUARY.	1	1	— 4	— 1	4	5	13	15	10	5	— 2	0	— 3	106
	2	7	5	— 8	— 5	— 1	3	6	2	2	4	5	— 2	87
	3	— 6	— 8	— 8	— 1	0	4	2	— 2	3	— 1	— 4	— 3	71
	4	— 6	— 19	— 20	— 7	— 1	4	2	— 1	1	— 1	0	2	120
	5	— 7	— 12	— 11	1	7	8	2	0	2	3	5	7	118
	6	— 6	— 4	— 9	— 3	0	2	1	— 1	1	2	— 2	0	70
	7	— 1	— 12	— 14	— 6	2	6	4	2	4	5	5	0	117
	8	11	17	10	— 2	— 5	— 2	— 1	1	— 1	— 3	— 5	— 3	108
	9	— 2	0	2	— 1	— 10	— 10	— 10	— 6	2	— 1	10	6	106
	10	16	7	— 10	— 8	— 7	— 6	— 5	— 1	— 3	— 4	— 3	— 6	246
	11	0	3	3	— 4	— 11	— 9	— 5	— 4	— 4	— 2	0	5	92
	12	— 1	18	12	4	— 6	— 7	— 7	0	6	20	6	— 1	167
	13	— 7	2	7	8	7	— 2	— 3	— 2	— 5	1	0	— 7	95
	14	— 10	— 24	— 13	— 12	— 3	— 3	— 7	— 1	— 4	— 6	— 2	9	172
	15	15	5	8	9	16	7	3	2	— 16	1	— 3	— 8	206
	16	— 8	— 17	— 12	— 10	— 4	3	7	5	6	1	— 1	— 3	152
	17	19	23	22	17	6	— 6	3	— 6	— 7	— 7	— 4	— 2	199
	18	4	7	7	3	— 8	— 6	0	3	2	2	3	6	88
	19	16	25	23	11	— 5	— 8	0	1	— 2	— 4	— 4	— 10	182
	20	— 7	— 7	— 11	— 5	1	3	4	3	3	1	— 2	— 1	135
	21	0	1	— 5	— 11	— 3	1	1	2	2	1	1	1	60
	22	1	2	8	6	3	1	1	1	3	2	2	0	86
	23	— 5	5	10	8	2	3	5	6	4	2	0	0	100
	24	11	12	11	13	10	5	1	— 1	0	— 6	— 2	0	131
	25	— 10	— 9	4	1	— 1	— 8	— 7	— 2	6	5	1	2	102
	26	— 14	— 11	8	16	7	1	— 1	— 5	— 4	— 7	4	12	158
	27	— 6	1	1	— 3	— 4	0	2	3	4	1	2	4	94
	28	0	— 5	— 12	— 7	2	4	0	— 3	0	0	1	3	72
Hourly Amount.		197	265	270	186	137	135	105	76	102	95	77	106	3440

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	4	5	2	4	7	11	8	4	— 6	— 13	— 22	— 12	—
	2	4	2	3	3	6	8	5	8	— 8	— 5	— 10	— 19	—
	3	— 7	— 17	— 1	3	3	— 12	— 3	— 4	1	7	— 2	1	—
	4	— 1	3	0	1	2	3	7	1	— 2	— 8	— 15	— 15	—
	5	1	4	5	4	5	9	9	11	— 1	— 7	— 10	— 18	—
	6	— 8	— 4	3	— 2	3	3	— 7	— 7	— 7	— 4	— 2	— 4	—
	7	3	3	3	2	— 1	— 2	— 6	— 3	— 3	2	6	5	—
	8	1	1	0	1	— 1	— 3	— 4	— 3	3	4	1	— 4	—
	9	0	— 1	— 2	— 3	— 2	— 5	— 8	— 4	4	7	5	5	—
	10	2	2	1	1	— 4	— 6	— 8	— 6	4	3	— 1	1	—
	11	3	3	2	3	0	— 6	— 15	— 10	0	9	13	10	—
	12	2	2	— 1	— 1	0	— 6	— 7	2	6	6	10	11	—
	13	— 1	— 2	— 1	— 2	0	— 1	4	1	5	2	4	8	—
	14	1	3	3	2	2	4	— 3	— 5	— 4	— 5	— 6	— 4	—
	15	3	3	2	2	1	5	— 4	4	— 2	— 8	— 6	— 7	—
	16	0	— 5	— 8	— 2	— 3	0	6	16	5	— 10	2	— 6	—
	17	— 4	0	5	— 1	1	9	11	2	4	5	2	— 1	—
	18	— 11	— 9	— 1	0	4	9	8	9	5	3	1	2	—
	19	0	1	1	1	2	3	— 4	— 11	— 2	0	4	9	—
	20	1	0	0	1	2	3	3	— 3	— 8	— 2	3	10	—
	21	1	1	— 1	0	0	1	— 4	— 8	— 5	4	11	11	—
	22	3	— 1	1	0	3	2	0	— 1	— 4	— 7	— 2	— 1	—
	23	2	3	1	0	0	1	0	— 1	1	— 1	— 6	— 9	—
	24	1	1	— 7	— 7	— 7	— 17	8	4	1	4	4	2	—
	25	0	3	2	9	0	— 1	— 1	— 1	— 2	— 3	— 6	3	—
	26	2	1	0	— 2	— 5	— 4	1	1	1	— 5	— 3	4	—
	27	0	1	1	0	— 3	— 4	— 4	— 4	— 3	— 1	9	6	—
	28	4	3	— 1	— 1	— 3	— 3	— 4	— 8	— 2	2	— 2	— 3	—
	29	1	1	1	1	0	— 1	— 3	— 4	1	2	3	— 2	—
	30	— 2	— 2	— 3	— 4	— 5	— 1	2	2	0	4	5	6	—
	31	— 7	— 5	— 14	— 12	— 11	— 1	8	15	21	11	13	13	—
Hourly Amount.		80	92	76	75	86	144	165	163	121	154	189	212	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MARCH.	1	— 11	— 3	1	4	0	— 1	1	3	4	4	3	2	135
	2	— 18	— 9	— 4	10	10	10	5	7	8	13	4	5	184
	3	— 4	— 5	— 9	2	3	3	— 1	— 2	1	2	3	7	103
	4	— 8	— 3	— 2	3	7	8	6	— 5	5	0	— 3	2	110
	5	— 19	— 14	— 3	4	15	14	12	4	5	4	5	— 1	184
	6	— 4	— 8	— 6	— 4	3	7	2	2	2	2	3	2	99
	7	1	0	— 7	— 2	3	4	— 2	— 4	1	— 8	2	— 1	74
	8	— 2	1	4	5	3	3	1	2	2	1	1	— 1	52
	9	2	3	1	— 4	— 3	— 2	— 1	0	1	1	1	2	67
	10	1	8	6	— 1	— 4	— 3	— 1	0	1	1	2	1	68
	11	10	8	0	— 7	— 8	— 6	— 3	— 2	— 1	0	— 1	1	121
	12	13	6	— 2	— 4	— 9	— 3	— 2	— 4	— 14	— 3	— 3	— 3	120
	13	8	7	4	0	— 2	— 2	— 5	— 7	— 6	— 4	— 2	— 1	79
	14	3	5	7	5	— 4	— 4	— 1	— 2	— 2	1	2	2	80
	15	— 6	5	8	9	3	— 2	0	— 1	— 1	— 2	— 2	— 4	90
	16	0	10	— 1	2	3	1	— 4	— 2	— 4	— 12	— 2	— 2	106
	17	— 5	— 4	— 2	2	2	— 3	2	— 1	— 6	0	— 10	— 10	92
	18	12	— 3	— 3	4	2	— 8	— 3	— 6	— 4	— 1	— 1	0	109
	19	6	5	— 1	— 4	— 2	— 2	— 1	— 2	— 1	0	— 2	1	65
	20	11	3	— 3	— 1	— 5	— 4	— 2	— 1	0	— 1	1	0	68
	21	5	2	0	— 1	— 4	— 4	— 3	— 2	— 1	0	1	3	73
	22	2	2	3	— 2	— 3	— 3	0	1	2	2	2	0	47
	23	— 12	— 8	3	— 6	4	6	10	11	8	3	4	0	100
	24	2	— 5	8	— 2	1	— 1	— 3	4	0	— 2	0	0	91
	25	1	— 3	0	3	2	— 4	4	2	1	2	1	0	54
	26	10	7	1	2	— 4	— 1	0	1	1	0	1	— 1	58
	27	3	0	— 2	— 4	— 4	2	— 2	0	2	— 2	3	3	63
	28	— 7	1	4	— 1	— 2	4	0	1	1	1	0	1	59
	29	— 5	— 5	— 2	1	1	0	2	3	2	3	3	— 1	48
	30	8	8	1	— 1	— 3	— 3	— 2	1	— 1	0	— 3	2	69
	31	1	— 8	— 6	— 10	— 6	— 5	— 9	— 2	— 6	— 12	— 10	— 7	213
Hourly Amount.		200	159	104	110	125	123	90	85	94	87	81	66	2881

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	0	— 2	1	1	— 2	1	— 3	— 3	— 6	— 1	1	8	
	2	— 3	— 9	— 7	— 9	— 12	— 11	— 12	— 20	21	— 2	— 9	— 9	—
	3	— 13	— 27	— 39	— 33	— 28	— 15	— 6	— 12	— 25	— 34	— 34	— 38	—
	4	9	— 6	2	5	22	13	— 3	— 2	— 3	— 14	— 3	— 9	—
	5	— 8	— 5	— 8	0	— 2	2	0	— 5	3	— 7	— 7	— 2	—
	6	6	46	12	6	3	— 7	— 7	— 6	0	6	— 1	— 4	—
	7	1	5	3	2	3	3	4	2	— 3	— 2	— 2	— 2	—
	8	2	— 3	0	0	— 3	0	— 5	— 3	— 2	1	2	2	—
	9	— 2	— 5	— 5	— 6	— 6	— 4	— 4	— 2	2	5	5	3	—
	10	— 5	— 4	1	— 4	7	— 3	— 8	2	— 3	— 4	1	— 1	—
	11	— 8	— 9	— 5	— 3	— 4	— 1	2	3	— 2	0	4	10	—
	12	— 4	— 5	— 3	— 4	— 6	— 5	— 3	2	3	8	4	11	—
	13	7	— 1	4	4	10	20	— 3	— 4	— 16	— 12	— 4	— 3	—
	14	6	— 4	1	1	— 1	— 1	5	3	2	8	10	12	—
	15	0	— 1	7	5	5	— 5	2	— 3	— 3	— 8	— 2	3	—
	16	10	23	24	1	— 4	3	4	6	7	20	— 3	3	—
	17	7	— 5	— 1	6	— 1	1	— 6	2	— 1	— 13	0	6	—
	18	— 4	5	7	4	3	6	7	— 4	3	— 9	0	— 3	—
	19	3	7	7	5	2	— 4	7	10	6	17	12	— 1	—
	20	— 9	— 8	— 4	— 6	— 1	6	1	3	5	10	8	6	—
	21	— 3	— 1	— 2	— 4	— 3	— 2	— 3	2	— 2	1	3	3	—
	22	— 3	— 2	— 2	— 5	— 8	— 4	1	7	5	5	— 2	0	—
	23	— 2	— 3	— 3	— 2	— 3	0	1	— 2	— 2	4	4	1	—
	24	— 4	7	— 1	11	22	11	12	9	4	0	— 6	— 6	—
	25	7	11	6	13	20	4	5	3	3	4	7	1	—
	26	2	2	0	1	3	3	1	1	— 1	— 4	9	15	—
	27	8	1	1	— 1	— 3	7	2	— 1	1	0	4	1	—
	28	3	— 4	— 2	— 5	— 6	— 3	— 4	3	3	7	4	2	—
	29	1	— 3	— 2	— 4	— 6	— 6	— 3	— 4	— 6	— 1	— 1	— 1	—
	30	— 4	— 6	— 2	— 3	— 3	— 2	0	— 1	5	7	10	9	—
	31	0	8	19	28	7	— 2	10	5	— 3	1	— 18	— 16	—
Hourly Amount.		144	228	181	182	209	155	134	135	151	215	180	191	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MARCH.	1	6	3	— 1	0	6	3	9	4	3	— 1	1	— 4	70
	2	4	21	29	43	51	43	39	36	3	— 1	4	— 25	423
	3	— 35	— 16	79	52	3	8	1	— 16	— 29	38	36	— 2	619
	4	— 10	5	12	5	2	— 1	— 7	21	1	— 4	— 17	— 1	177
	5	5	1	9	3	— 5	— 18	— 26	— 3	3	8	— 1	8	139
	6	— 15	— 8	— 13	— 14	— 1	2	8	2	0	6	— 1	7	181
	7	2	0	— 10	— 17	— 15	— 5	1	12	— 2	19	— 3	0	118
	8	2	5	— 7	3	10	2	0	— 4	— 3	— 7	0	— 3	69
	9	5	7	3	3	6	4	6	2	2	0	0	— 2	89
	10	2	8	5	5	7	4	2	1	— 2	— 7	— 7	— 9	102
	11	9	2	— 4	— 3	3	3	5	3	0	— 3	— 5	— 2	93
	12	7	4	3	5	8	4	3	— 4	17	— 7	— 4	1	125
	13	6	— 6	— 20	— 33	— 24	— 10	— 10	0	4	3	5	— 1	210
	14	11	6	— 9	— 6	— 2	— 4	1	6	0	— 7	— 1	3	110
	15	11	5	— 5	— 11	— 2	— 8	— 9	— 9	— 5	— 4	— 3	5	121
	16	— 3	— 41	— 33	— 24	— 6	0	— 1	0	18	4	3	22	263
	17	10	9	4	1	— 7	— 10	— 16	— 9	13	— 8	16	14	166
	18	— 13	1	2	— 13	— 24	— 3	— 2	— 15	— 2	1	3	— 2	136
	19	— 3	— 6	— 5	1	5	3	0	— 1	— 9	— 9	1	— 12	136
	20	— 9	— 6	— 4	— 1	0	2	0	0	3	— 1	— 5	— 6	104
	21	9	6	0	5	4	1	2	1	— 4	— 7	— 7	— 8	83
	22	5	7	— 4	— 5	4	6	9	— 1	2	— 2	— 2	— 1	92
	23	— 1	5	— 3	23	6	9	— 7	19	— 19	— 18	— 9	— 6	152
	24	— 16	2	— 19	— 11	— 23	— 13	3	— 15	— 2	— 1	2	1	201
	25	— 5	— 5	— 2	— 7	— 16	— 11	— 16	— 13	8	— 1	0	— 3	171
	26	— 2	— 1	2	— 4	0	— 3	— 15	— 10	5	4	3	— 2	93
	27	4	0	5	7	1	— 5	5	4	— 4	1	— 11	— 6	83
	28	3	2	3	5	2	— 2	— 1	— 2	— 1	— 3	— 3	0	73
	29	3	6	6	7	6	0	2	— 1	— 1	— 5	— 5	— 6	86
	30	8	— 7	— 7	— 2	5	9	13	2	— 5	— 3	1	— 2	116
	31	— 10	— 10	— 21	— 17	— 4	— 5	0	— 10	— 3	10	11	44	262
Hourly Amount.		234	211	329	336	258	201	219	226	173	193	170	208	4863

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MARCH.	1	3	6	4	3	1	4	10	4	12	18	8	— 6	—
	2	— 1	4	3	4	3	1	— 2	13	3	2	13	10	—
	3	24	26	24	12	1	— 6	— 13	— 11	— 10	6	17	25	—
	4	2	7	0	— 2	— 13	— 7	1	11	10	16	13	8	—
	5	6	6	4	— 2	1	— 2	1	4	3	6	8	6	—
	6	7	— 24	— 3	2	3	7	12	7	4	— 3	— 1	0	—
	7	2	— 1	1	3	3	2	0	0	— 2	— 6	— 7	— 1	—
	8	— 3	— 1	— 1	— 1	1	— 1	3	7	1	3	8	3	—
	9	4	5	7	8	8	8	6	— 11	— 8	— 4	1	2	—
	10	1	— 1	— 2	2	— 5	5	7	— 1	3	5	0	1	—
	11	5	7	8	4	10	11	7	— 14	— 10	— 5	2	0	—
	12	1	3	2	2	4	5	— 1	— 1	— 3	— 4	— 2	— 8	—
	13	— 5	0	— 1	— 2	— 1	— 6	4	6	18	12	— 3	— 12	—
	14	— 1	5	4	1	4	2	0	5	10	3	— 7	— 10	—
	15	— 4	— 1	— 4	— 2	— 2	4	1	17	20	19	8	— 2	—
	16	— 2	— 7	— 7	6	7	— 1	— 4	— 3	— 5	— 9	4	2	—
	17	— 1	8	2	— 1	1	0	— 2	— 9	— 9	— 1	— 6	— 3	—
	18	9	— 1	— 4	— 3	— 3	2	— 9	— 4	— 6	3	— 3	2	—
	19	— 7	— 3	— 2	0	2	7	0	— 11	— 9	— 14	— 7	7	—
	20	5	3	0	0	— 4	— 9	— 5	0	— 7	— 8	— 6	0	—
	21	0	— 2	0	1	3	3	5	0	— 1	— 13	— 11	— 1	—
	22	— 3	— 5	— 3	— 9	— 2	— 5	— 5	— 1	— 4	— 2	— 1	— 3	—
	23	— 3	— 5	— 5	— 4	— 3	— 4	0	4	3	1	4	7	—
	24	— 4	— 6	1	— 4	— 8	— 3	— 7	— 10	3	1	6	— 3	—
	25.	— 7	— 8	— 4	— 5	— 7	4	1	6	3	— 2	— 11	— 12	—
	26	— 4	— 5	— 5	— 6	— 5	— 5	— 1	8	3	4	— 10	— 12	—
	27	— 10	— 5	— 5	— 1	1	1	— 3	— 3	— 3	— 11	— 9	— 2	—
	28	— 5	— 3	— 2	2	3	— 1	0	— 8	— 13	— 9	— 3	— 2	—
	29	— 1	2	0	1	2	— 1	4	1	0	— 8	— 6	1	—
	30	2	3	3	1	1	— 4	— 5	— 5	— 5	— 3	— 5	— 5	—
	31	— 2	— 11	— 13	— 3	— 3	— 6	— 7	— 4	— 1	— 5	2	2	—
Hourly Amount.		134	174	124	97	115	127	126	189	192	206	192	158	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MARCH.	1	— 11	— 16	— 12	— 7	— 9	— 6	— 9	— 5	— 4	0	2	4	164
	2	0	— 23	— 21	— 31	— 30	— 19	— 11	— 10	12	10	10	23	259
	3	25	17	— 51	— 30	0	— 3	0	15	— 6	— 23	— 20	8	373
	4	3	— 11	— 18	— 12	— 5	0	4	— 11	0	3	13	— 1	171
	5	4	— 5	— 20	— 23	— 11	9	11	— 1	— 5	— 8	2	— 3	151
	6	7	6	6	4	— 2	— 5	— 7	— 3	1	— 4	— 1	— 5	124
	7	— 5	1	7	6	1	— 1	0	— 6	2	— 7	1	— 2	67
	8	— 6	— 6	— 3	— 13	— 9	2	3	6	4	4	0	3	92
	9	— 2	— 4	— 3	— 6	— 4	0	— 2	— 2	— 1	— 2	— 2	0	100
	10	— 3	— 8	— 5	— 1	— 3	— 3	— 5	— 4	1	4	5	6	81
	11	— 2	3	9	1	— 8	— 6	— 7	— 5	— 4	— 2	— 1	0	131
	12	— 12	0	1	7	0	— 3	— 1	0	— 3	5	1	— 3	72
	13	— 15	— 9	5	19	11	— 1	— 2	— 5	— 3	— 2	— 1	2	145
	14	— 19	— 8	3	1	2	2	— 1	— 2	— 1	— 1	— 2	— 5	99
	15	— 12	— 19	— 16	— 7	— 4	4	4	2	1	1	1	— 3	158
	16	— 2	17	13	7	— 3	— 5	— 1	— 3	— 4	8	3	— 8	131
	17	— 2	0	2	1	4	9	7	0	— 9	— 1	— 6	— 6	90
	18	7	9	8	10	11	2	— 3	7	2	5	5	2	120
	19	7	7	3	— 2	— 6	— 3	0	— 1	6	2	— 4	5	115
	20	9	13	11	7	3	1	0	— 2	— 3	— 2	1	0	99
	21	0	7	10	4	— 2	0	— 1	0	1	— 2	— 4	— 4	75
	22	1	3	10	15	7	0	— 2	2	3	3	— 2	— 3	94
	23	10	0	0	— 13	— 3	— 5	8	16	11	10	2	4	125
	24	0	— 10	11	14	17	8	— 2	6	0	0	— 1	— 1	126
	25	— 6	— 1	5	14	15	13	7	— 3	— 12	— 5	— 4	— 3	158
	26	— 1	6	12	19	11	4	8	4	— 3	— 3	— 3	0	142
	27	8	7	7	4	6	3	— 1	— 5	1	0	5	1	102
	28	3	6	4	3	4	3	1	— 1	0	0	0	— 2	78
	29	3	— 3	— 1	— 7	3	3	1	2	3	3	3	5	64
	30	0	6	11	7	3	— 3	— 6	0	7	3	0	— 1	89
	31	8	11	15	10	1	— 1	— 1	3	1	— 4	— 9	— 18	141
Hourly Amount.		193	242	303	305	198	127	116	132	114	127	114	131	3936

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	— 6	0	2	— 2	1	— 4	9	0	5	8	10	13	—
	2	3	1	3	1	2	— 2	— 7	— 4	— 8	— 3	6	5	—
	3	2	— 1	— 1	1	1	2	2	— 8	— 6	0	0	3	—
	4	1	1	2	2	1	— 2	— 6	1	3	— 1	— 4	— 1	—
	5	— 3	— 1	— 2	— 2	— 3	— 4	— 6	0	3	5	6	7	—
	6	0	— 2	— 1	0	— 1	— 1	0	— 2	— 3	— 3	1	9	—
	7	0	1	— 1	— 2	— 4	— 4	— 8	— 2	4	3	5	8	—
	8	— 10	— 2	— 2	— 3	6	8	0	4	9	5	7	9	—
	9	— 9	15	0	2	8	6	0	9	8	— 5	— 7	— 6	—
	10	3	0	0	3	1	0	— 1	— 5	— 2	— 1	1	— 2	—
	11	2	0	7	2	1	— 2	— 7	— 6	— 4	— 2	2	2	—
	12	0	— 5	7	11	1	6	10	7	1	— 1	— 2	1	—
	13	— 3	6	1	6	7	6	18	4	13	8	— 6	— 5	—
	14	4	1	1	2	2	3	— 1	— 6	— 3	— 2	— 3	0	—
	15	3	0	— 1	1	— 1	2	4	3	1	3	— 5	— 6	—
	16	2	0	2	2	3	4	6	6	0	— 3	— 7	— 5	—
	17	3	— 4	— 6	— 6	— 5	7	14	16	13	6	— 6	— 16	—
	18	— 8	— 3	— 2	— 6	— 2	— 5	— 6	0	1	0	9	7	—
	19	4	2	1	2	1	1	— 5	— 3	— 4	— 2	3	0	—
	20	1	0	— 1	— 1	— 2	— 1	— 1	— 3	— 1	1	2	3	—
	21	6	1	1	— 7	0	— 7	— 10	— 4	1	— 2	0	— 1	—
	22	2	0	— 1	2	— 6	0	2	— 3	— 6	— 4	— 1	2	—
	23	— 1	— 1	— 4	— 5	— 4	— 2	— 10	— 3	1	8	6	1	—
	24	0	— 4	— 1	— 2	— 2	0	— 2	— 1	— 6	— 1	— 2	— 2	—
	25	1	— 2	— 1	— 2	— 3	— 2	3	3	— 1	— 9	— 8	— 3	—
	26	0	— 1	1	0	— 1	0	3	5	1	5	— 12	— 11	—
	27	1	0	— 1	0	— 1	— 3	— 3	— 5	— 8	— 4	0	— 2	—
	28	1	— 1	— 1	— 1	— 2	— 2	— 2	— 3	— 1	2	3	3	—
	29	— 1	— 1	— 1	— 1	1	— 2	— 2	— 1	— 6	0	6	1	—
	30	0	0	0	0	0	1	8	7	3	— 5	— 5	— 7	—
Hourly Amount.		80	56	55	77	73	89	156	124	126	102	156	141	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
APRIL.	1	11	3	— 2	— 8	— 6	— 7	— 2	— 1	0	0	0	2	102
	2	2	— 4	— 4	2	4	4	— 5	1	— 1	2	2	2	78
	3	1	— 2	0	— 1	— 1	— 1	2	0	— 3	1	1	2	42
	4	1	1	— 1	— 2	— 3	— 1	1	0	3	1	— 1	— 1	41
	5	6	3	2	3	1	— 3	— 2	— 2	— 1	1	0	— 1	67
	6	6	1	— 1	— 2	— 2	— 1	— 2	— 1	0	2	2	0	43
	7	5	1	0	1	4	2	— 1	— 5	— 3	— 1	— 3	— 11	79
	8	— 1	4	5	4	— 1	— 6	— 5	— 3	— 8	— 19	— 7	4	132
	9	— 3	— 3	— 5	— 2	1	3	— 1	— 3	4	— 4	— 2	1	107
	10	0	0	4	3	2	2	0	— 1	— 1	— 2	— 4	0	38
	11	3	5	1	— 4	— 6	— 1	— 1	— 1	1	1	— 3	— 4	68
	12	0	— 2	— 5	— 6	— 5	— 11	0	— 2	— 2	— 3	— 10	— 8	106
	13	— 5	— 7	— 6	— 7	— 8	2	— 2	4	1	3	3	4	135
	14	— 3	— 1	— 3	— 3	0	1	3	2	2	0	3	0	49
	15	— 7	— 8	— 2	4	4	0	— 1	— 1	0	2	3	2	64
	16	— 5	— 6	— 2	2	— 1	0	2	1	2	2	2	4	69
	17	— 17	— 10	— 4	2	3	2	9	13	8	0	— 1	— 12	183
	18	4	0	5	6	— 2	0	— 2	— 3	— 15	1	1	2	90
	19	0	— 3	— 1	— 1	— 1	1	0	0	2	2	2	2	43
	20	1	6	3	1	— 3	— 6	8	2	0	5	— 4	3	59
	21	9	2	— 2	— 2	— 2	1	— 1	— 1	2	4	5	3	74
	22	— 1	— 4	— 4	— 6	3	2	1	2	2	1	3	2	60
	23	3	4	5	4	4	7	0	— 1	— 1	— 1	0	0	76
	24	— 1	— 1	— 2	3	4	4	1	1	2	4	3	1	50
	25	0	6	8	2	— 4	4	1	2	1	0	0	2	68
	26	— 5	1	— 1	— 1	0	3	2	2	3	4	4	4	70
	27	— 3	1	0	— 1	3	0	2	1	0	0	2	1	42
	28	7	10	4	3	1	— 3	— 4	— 3	— 2	— 2	— 3	— 2	66
	29	0	4	3	4	3	— 1	1	— 3	— 2	— 1	— 3	1	49
	30	— 8	0	4	3	3	1	— 1	— 3	— 3	0	— 1	2	65
Hourly Amount.		118	103	89	93	85	80	63	65	75	69	78	83	2215

HORIZONTAL FORCE. A.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	14	— 1	21	12	— 10	— 11	2	— 8	— 13	— 13	— 5	0	—
	2	— 5	— 9	9	7	9	10	— 2	— 2	18	— 19	— 2	3	—
	3	2	13	1	— 1	— 3	— 7	— 10	— 4	— 3	— 4	0	5	—
	4	— 7	— 3	2	2	2	— 4	0	2	— 1	— 1	4	4	—
	5	0	2	0	0	— 6	— 3	— 4	— 7	— 6	2	— 7	1	—
	6	0	2	— 4	— 8	— 10	— 7	— 6	1	1	2	2	4	—
	7	— 5	— 8	2	— 5	— 5	— 4	— 2	3	3	4	0	0	—
	8	1	— 20	— 20	— 10	— 3	14	16	19	19	9	— 20	— 32	—
	9	— 5	23	7	— 4	— 3	10	13	2	— 2	— 4	6	— 3	—
	10	— 10	— 3	— 6	— 4	2	1	2	8	9	— 5	— 12	— 6	—
	11	7	— 4	— 2	— 7	— 8	— 7	— 4	0	3	0	1	5	—
	12	0	— 1	0	0	9	7	— 1	— 3	2	— 1	— 10	— 9	—
	13	— 3	11	10	29	27	2	7	— 8	— 18	— 15	— 3	— 7	—
	14	10	4	— 2	— 6	— 2	1	— 4	— 2	— 4	0	6	6	—
	15	— 6	— 4	— 2	— 1	3	3	— 3	4	— 3	0	4	6	—
	16	3	— 2	— 1	— 2	— 6	— 6	— 5	— 5	— 2	3	7	5	—
	17	4	4	0	8	15	12	9	— 1	— 1	— 9	— 16	— 18	—
	18	23	15	— 9	— 5	8	8	12	16	12	— 6	— 9	0	—
	19	— 2	5	4	0	— 2	— 7	— 9	— 9	— 4	7	7	4	—
	20	— 1	— 4	— 2	— 2	— 4	— 5	— 10	— 9	— 13	— 14	— 7	— 2	—
	21	— 13	— 3	1	6	6	3	7	8	3	8	11	7	—
	22	3	1	6	6	7	5	8	8	5	6	— 5	— 8	—
	23	2	6	3	3	— 5	0	— 2	— 6	— 4	11	4	2	—
	24	— 2	4	0	1	— 8	— 1	— 2	— 4	— 2	4	6	6	—
	25	0	2	3	1	— 1	— 1	2	0	— 1	7	2	1	—
	26	— 6	— 4	— 1	— 2	0	0	— 5	— 3	— 1	5	10	6	—
	27	1	— 1	— 3	— 9	— 8	— 10	— 9	— 6	1	1	8	5	—
	28	1	— 3	— 7	— 4	— 1	— 7	— 8	— 14	— 16	— 10	— 5	1	—
	29	— 2	— 4	0	— 3	1	6	6	10	9	5	— 9	— 1	—
	30	4	— 5	— 4	0	— 1	1	— 5	— 4	— 2	5	9	1	—
Hourly Amount.		142	171	132	148	175	163	175	176	181	180	197	158	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
APRIL.	1	— 16	6	5	— 31	— 8	— 21	6	5	7	13	11	1	240
	2	— 1	— 5	— 19	— 8	— 2	— 7	10	4	— 4	9	— 7	— 3	174
	3	10	4	— 1	— 1	0	— 5	5	8	3	2	— 2	— 8	102
	4	5	5	— 8	0	0	2	5	7	2	1	5	4	76
	5	1	4	5	7	4	5	3	— 4	— 3	— 5	— 6	— 7	92
	6	4	3	4	7	3	5	8	5	2	— 3	— 3	0	94
	7	6	7	8	12	2	— 5	— 27	20	25	11	8	25	197
	8	— 9	— 8	— 20	— 42	— 16	— 16	4	20	— 4	9	4	8	343
	9	— 14	— 13	— 6	— 8	3	— 1	7	3	— 8	9	— 5	3	162
	10	4	6	— 14	9	8	2	— 1	10	5	3	2	— 10	142
	11	8	2	3	6	2	5	5	1	— 1	— 5	— 1	6	93
	12	1	— 1	— 2	— 17	— 14	6	— 21	— 7	7	4	35	— 6	164
	13	— 11	— 27	— 18	— 10	— 7	— 2	12	5	3	12	— 4	22	273
	14	— 1	2	6	8	2	— 3	— 9	— 14	— 12	— 5	8	5	122
	15	0	5	2	— 10	— 8	1	0	4	7	3	2	5	86
	16	2	— 4	0	4	2	5	9	9	6	2	4	6	100
	17	2	— 6	17	32	19	18	— 17	— 44	— 43	— 63	— 33	— 21	412
	18	— 2	1	— 5	— 10	2	6	11	5	12	1	9	4	191
	19	— 3	— 3	3	2	2	1	6	5	1	0	1	— 1	88
	20	8	11	12	21	27	46	18	— 32	0	— 23	— 30	— 26	327
	21	— 20	— 9	3	7	0	— 1	— 3	1	— 2	— 3	— 3	— 1	129
	22	— 9	— 10	— 4	4	— 6	— 18	— 15	— 3	0	16	1	— 2	156
	23	4	8	8	5	— 4	— 9	— 10	— 8	— 5	10	— 1	— 6	126
	24	2	— 1	1	2	— 3	— 4	2	— 7	— 2	5	5	2	76
	25	2	3	1	3	3	— 2	— 12	— 5	— 3	— 1	3	— 2	61
	26	3	— 2	— 1	— 1	— 2	3	3	3	3	0	4	2	70
	27	3	3	6	7	2	3	2	6	2	— 1	0	1	98
	28	10	13	18	14	5	3	4	7	1	— 4	— 6	— 4	167
	29	— 7	— 9	— 7	— 7	— 6	— 10	— 3	4	5	2	2	11	128
	30	3	5	2	— 1	— 4	— 1	1	6	3	0	— 3	— 7	77
Hourly Amount.		171	186	209	296	166	216	239	262	181	225	208	209	4566

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
APRIL.	1	— 6	7	— 9	1	10	9	2	13	16	10	— 4	— 14	—
	2	8	9	— 3	— 2	— 3	0	13	9	— 2	3	— 12	— 11	—
	3	— 1	— 7	0	3	1	3	3	5	— 1	— 1	— 1	— 2	—
	4	6	4	2	2	4	11	4	— 22	— 15	— 3	1	2	—
	5	— 1	1	4	5	6	4	1	— 4	— 3	— 9	0	— 4	—
	6	— 2	— 2	2	3	5	1	— 2	3	— 2	— 3	— 3	— 3	—
	7	8	12	8	13	15	19	12	— 11	— 14	— 5	— 2	3	—
	8	5	23	19	11	5	— 5	— 10	— 22	— 19	— 14	7	18	—
	9	— 3	— 21	— 11	— 2	— 2	— 12	— 7	22	21	20	10	5	—
	10	10	— 7	— 4	— 8	— 11	— 8	— 4	4	2	7	10	9	—
	11	— 5	4	— 1	3	3	5	4	— 1	— 6	0	— 2	7	—
	12	5	7	4	0	— 6	1	7	2	5	4	0	— 2	—
	13	7	— 9	— 9	— 18	— 15	0	1	17	15	10	— 2	1	—
	14	— 4	2	3	4	3	0	1	— 1	— 2	— 2	— 8	1	—
	15	5	5	3	3	2	1	2	— 5	0	2	— 4	— 5	—
	16	0	4	4	3	3	3	2	7	2	— 5	— 4	— 4	—
	17	— 1	2	4	— 1	— 7	— 4	— 3	7	7	5	9	11	—
	18	— 19	— 21	5	— 3	— 9	— 6	— 9	— 25	— 18	— 5	6	8	—
	19	0	— 2	— 1	1	0	6	5	— 4	— 8	— 14	— 8	3	—
	20	— 3	— 1	— 3	— 3	— 5	— 3	— 9	0	7	11	14	9	—
	21	2	— 5	— 6	— 7	— 4	— 1	3	— 3	0	— 2	— 9	— 4	—
	22	— 4	— 4	— 5	— 6	— 3	— 4	— 1	3	8	2	0	3	—
	23	— 2	— 4	0	0	6	0	1	10	6	0	— 1	— 8	—
	24	0	— 6	— 5	— 5	3	— 3	— 2	4	5	— 4	0	2	—
	25	0	— 3	— 4	— 2	— 2	0	— 3	1	3	2	0	— 3	—
	26	2	1	— 3	— 1	— 2	— 1	2	— 1	1	— 1	— 4	— 3	—
	27	— 3	— 1	— 2	4	0	1	— 3	6	1	— 5	— 10	— 3	—
	28	1	2	1	— 1	— 4	0	— 1	2	4	6	5	— 2	—
	29	3	3	1	3	0	— 4	— 9	— 9	— 7	— 6	7	1	—
	30	— 1	5	2	0	1	— 5	— 5	— 8	— 3	3	3	8	—
	Hourly Amount.	117	184	128	118	140	120	131	231	203	164	146	159	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
APRIL.	1	2	— 7	— 3	20	1	5	— 11	— 8	— 7	— 8	— 6	2	181
	2	3	7	14	— 3	— 7	— 4	— 8	— 2	1	— 7	2	0	133
	3	2	4	7	4	5	5	— 2	— 2	2	0	3	7	71
	4	1	3	7	1	0	— 5	— 6	— 5	— 5	— 1	— 4	— 3	117
	5	— 1	— 1	— 3	— 4	— 1	— 2	— 3	— 3	— 2	— 2	0	1	65
	6	— 3	2	3	3	2	— 2	— 4	— 3	— 5	1	2	3	64
	7	1	0	— 8	— 16	— 10	— 1	14	— 13	— 18	— 10	— 5	— 8	226
	8	11	8	16	27	11	5	— 6	— 16	— 4	— 6	— 5	— 20	293
	9	1	— 7	— 14	— 10	— 10	— 4	— 6	3	6	— 3	4	6	210
	10	2	— 5	3	— 10	— 6	0	6	· 0	1	4	5	11	137
	11	— 6	0	— 2	— 4	0	— 3	— 5	2	— 2	2	1	— 1	69
	12	— 10	— 2	1	8	6	— 2	8	5	— 10	— 7	— 19	5	126
	13	0	13	9	2	2	— 4	— 10	— 4	— 2	— 5	5	— 8	168
	14	3	— 1	1	— 3	0	2	6	11	4	2	— 8	— 4	76
	15	— 2	— 3	— 9	— 3	0	— 3	— 2	— 3	— 7	— 3	— 1	— 1	74
	16	0	6	— 1	— 7	0	— 2	— 4	— 4	— 5	— 3	— 5	— 5	83
	17	— 2	6	— 8	— 16	— 10	— 4	12	33	29	38	18	4	241
	18	11	5	5	9	— 3	— 7	— 9	0	1	— 2	— 10	— 2	198
	19	9	5	— 4	1	1	1	0	4	2	1	— 2	— 2	84
	20	— 2	— 7	— 1	1	— 2	— 14	0	— 29	9	17	18	13	181
	21	2	2	— 5	— 6	0	1	2	2	2	0	1	— 2	71
	22	5	3	0	— 3	— 2	8	6	1	0	— 12	— 3	— 2	88
	23	— 12	— 9	— 5	1	8	8	5	6	0	— 6	— 3	2	103
	24	0	0	0	— 2	2	5	2	8	2	— 3	— 3	1	67
	25	— 5	— 1	1	5	2	2	6	4	2	1	1	1	54
	26	— 5	— 4	— 2	— 2	0	— 1	— 1	2	1	2	3	1	46
	27	1	1	3	2	5	3	1	2	0	2	1	— 1	61
	28	— 10	— 6	— 2	0	4	2	— 1	0	0	2	3	3	62
	29	5	0	1	0	0	6	0	— 2	— 3	— 1	— 2	— 6	79
	30	1	— 3	— 3	2	3	3	2	3	— 2	— 1	— 1	1	69
	Hourly Amount.	118	121	141	175	103	114	148	180	134	152	144	126	3497

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	3	1	0	— 1	— 2	— 3	0	— 7	— 3	— 4	— 3	— 2	—
	2	— 5	— 5	— 3	— 4	— 6	— 4	— 3	0	— 3	0	4	8	—
	3	— 2	0	0	— 1	1	— 1	— 2	— 3	— 7	— 4	— 3	6	—
	4	5	3	5	4	3	2	— 3	— 12	— 8	— 1	6	2	—
	5	7	3	2	— 4	— 3	— 3	— 10	— 9	— 9	— 3	— 1	0	—
	6	3	3	3	2	1	— 2	— 7	— 11	— 6	— 1	1	— 3	—
	7	4	2	— 2	1	2	4	— 1	— 9	— 6	— 1	— 4	— 4	—
	8	— 2	— 5	0	— 1	0	8	7	1	— 4	— 5	2	— 8	—
	9	1	— 2	— 2	— 1	— 2	— 1	2	— 7	— 7	— 3	10	8	—
	10	0	2	3	2	1	— 1	— 10	— 11	— 6	— 1	1	3	—
	11	— 3	— 4	— 3	— 1	1	3	2	4	3	3	4	— 3	—
	12	1	1	2	0	2	6	9	4	4	1	— 3	— 6	—
	13	1	0	3	3	0	2	1	5	4	— 2	— 3	— 6	—
	14	— 2	2	— 6	0	— 8	— 3	5	0	1	1	4	6	—
	15	— 9	0	6	6	5	— 8	— 17	38	4	11	11	8	—
	16	4	7	— 12	— 2	7	— 8	— 12	— 12	9	8	4	— 1	—
	17	11	1	6	5	6	6	1	— 7	2	— 4	— 4	— 3	—
	18	2	— 1	2	0	1	4	0	— 3	— 2	— 3	— 3	— 4	—
	19	0	2	3	1	2	— 2	— 5	— 9	— 9	— 4	— 4	3	—
	20	0	0	1	— 2	0	— 3	1	1	— 1	7	1	5	—
	21	— 2	— 1	1	— 4	— 5	— 3	— 2	— 4	11	— 1	— 2	— 2	—
	22	0	— 2	2	0	0	— 1	5	3	— 2	— 3	— 3	3	—
	23	0	1	0	0	0	0	6	— 2	— 4	1	1	6	—
	24	4	3	3	3	2	2	3	— 2	— 3	— 5	— 3	0	—
	25	0	0	— 2	0	0	6	8	4	0	— 1	— 4	— 3	—
	26	— 3	— 3	— 3	— 2	0	— 1	7	3	1	— 1	1	4	—
	27	— 1	— 2	— 1	— 1	— 1	0	2	3	2	— 2	— 6	— 2	—
	28	— 2	— 3	— 3	— 2	— 1	— 4	— 7	1	5	4	— 1	0	—
	29	— 7	— 1	— 5	1	— 2	1	12	23	23	13	3	— 12	—
	30	— 1	— 2	— 3	— 4	— 1	— 1	2	12	9	8	6	3	—
	31	1	1	1	— 1	0	2	6	3	6	— 2	— 8	— 2	—
Hourly Amount.		86	63	88	59	65	95	158	213	164	108	114	126	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MAY.	1	— 3	7	8	6	3	1	0	2	4	1	1	— 1	66
	2	5	2	4	7	5	— 2	— 5	0	— 2	— 1	— 1	— 1	80
	3	11	13	0	— 5	— 3	— 1	1	— 6	1	— 4	— 2	6	83
	4	1	— 1	— 1	1	— 1	1	2	— 1	2	5	— 10	3	83
	5	1	4	9	4	0	0	— 3	1	— 3	3	7	6	95
	6	— 5	— 1	2	3	1	0	6	— 2	2	— 1	4	7	77
	7	— 8	0	4	0	— 4	— 1	2	2	3	5	7	2	78
	8	2	0	4	2	— 5	— 2	0	— 1	— 1	— 2	4	3	69
	9	12	11	4	5	— 5	— 2	— 3	— 4	— 2	2	2	4	102
	10	1	— 4	3	8	7	2	— 2	1	0	— 2	— 3	— 3	77
	11	— 4	— 5	1	5	5	— 2	— 2	— 4	— 5	— 2	— 4	2	75
	12	— 6	— 7	— 2	— 2	2	— 1	1	— 2	— 1	1	1	3	68
	13	— 9	1	— 8	— 2	— 1	2	1	— 3	8	4	1	— 1	71
	14	6	9	4	2	— 4	— 6	0	— 12	— 4	— 8	— 6	— 15	114
	15	— 4	— 12	— 16	— 4	22	14	12	2	23	— 12	— 3	— 10	257
	16	— 10	— 20	— 8	— 2	2	8	1	11	— 16	4	2	— 2	172
	17	— 5	— 7	— 6	— 2	— 1	— 1	1	— 1	2	4	7	4	97
	18	— 1	0	— 2	— 2	3	0	2	2	4	4	1	2	48
	19	9	4	— 2	0	— 2	1	1	1	0	— 1	— 6	— 2	73
	20	4	8	4	— 2	— 1	— 1	— 4	— 3	— 3	— 2	— 2	— 1	57
	21	5	4	4	5	5	4	— 5	— 4	— 5	— 2	— 1	1	83
	22	6	8	— 2	— 4	— 5	— 2	— 4	— 2	1	3	3	— 3	67
	23	— 6	2	2	1	— 3	0	— 4	0	— 1	1	3	4	48
	24	1	8	— 3	— 6	0	3	5	0	— 1	3	— 2	— 2	67
	25	— 1	— 6	— 4	1	— 1	0	1	2	5	3	2	1	55
	26	4	2	0	— 1	0	— 2	— 3	2	— 2	— 4	— 3	0	52
	27	8	8	8	3	— 4	0	— 3	— 2	— 3	— 2	1	— 2	67
	28	5	9	6	— 4	— 2	6	8	14	— 4	— 4	— 11	— 4	110
	29	— 17	— 16	— 14	— 12	— 17	— 8	— 3	4	2	4	10	0	210
	30	— 1	4	— 4	0	3	— 5	— 4	— 2	— 1	0	— 1	0	77
	31	— 2	— 3	0	— 1	— 1	— 1	— 3	0	— 1	1	1	1	48
Hourly Amount.		163	186	139	102	118	79	92	93	112	95	112	96	2726

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	— 3	1	— 4	— 9	— 12	— 10	— 13	— 10	— 6	0	11	13	—
	2	3	0	4	2	— 3	— 3	— 12	— 16	— 9	— 1	8	8	—
	3	0	— 4	— 3	1	— 2	2	— 2	2	2	4	10	14	—
	4	2	1	2	5	0	— 1	— 2	4	11	20	11	4	—
	5	14	4	— 3	10	— 9	— 7	— 1	6	— 4	0	1	— 15	—
	6	2	1	1	— 8	— 6	— 5	— 4	— 1	— 4	2	— 3	11	—
	7	— 1	0	0	— 2	4	— 3	1	5	5	5	8	5	—
	8	0	16	10	2	1	6	9	9	7	6	— 3	— 13	—
	9	2	3	10	0	8	1	2	10	4	0	— 1	— 4	—
	10	7	4	5	5	8	8	10	13	8	1	— 10	— 19	—
	11	2	— 1	1	— 1	— 1	1	3	3	5	7	0	1	—
	12	— 4	— 4	— 4	— 6	— 5	— 2	— 3	2	0	2	6	8	—
	13	— 2	— 3	— 4	— 3	— 2	— 5	— 3	— 4	— 15	— 7	— 5	4	—
	14	— 23	— 16	— 10	0	10	9	3	1	— 4	— 16	— 11	— 18	—
	15	4	7	13	25	26	43	20	— 54	— 41	— 50	— 12	— 18	—
	16	— 16	9	5	— 7	— 9	39	24	27	3	— 15	— 42	5	—
	17	0	33	11	4	11	— 4	2	— 3	13	10	1	— 15	—
	18	9	3	— 5	— 8	— 1	— 5	— 12	— 8	4	— 2	— 3	8	—
	19	0	— 1	— 1	— 3	— 2	— 2	— 10	— 5	2	9	17	11	—
	20	5	1	5	3	— 1	— 1	2	5	0	— 16	— 5	3	—
	21	— 2	— 6	5	3	4	— 1	— 1	0	3	3	— 8	— 6	—
	22	0	— 6	— 6	— 2	1	2	5	4	3	— 2	— 2	1	—
	23	— 5	— 2	0	— 4	— 5	— 6	2	12	8	3	— 4	0	—
	24	0	— 5	— 6	— 7	— 5	— 4	— 1	10	5	10	5	— 2	—
	25	— 2	— 2	— 4	— 5	— 2	— 4	— 1	3	6	7	3	3	—
	26	— 1	— 4	— 4	— 5	— 6	— 6	— 6	— 3	1	5	5	7	—
	27	2	0	0	4	7	— 6	— 5	0	— 1	2	6	— 1	—
	28	6	— 5	— 2	5	3	5	11	10	18	20	6	— 5	—
	29	— 5	— 13	— 3	10	2	— 17	— 3	— 18	— 24	— 15	— 13	3	—
	30	— 10	— 14	— 16	— 15	— 9	— 11	— 7	— 2	3	3	4	— 3	—
	31	11	4	4	7	— 6	— 15	— 14	— 8	— 10	0	13	9	—
Hourly Amount.		143	173	151	171	171	234	194	258	229	243	237	237	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MAY.	1	14	14	5	4	0	— 3	4	— 1	— 3	— 4	— 3	— 1	148
	2	8	12	7	5	6	5	9	6	2	— 5	— 3	— 2	139
	3	0	— 2	— 10	— 8	— 11	— 11	— 12	— 13	— 12	9	— 5	— 1	140
	4	— 5	— 7	— 10	— 2	0	2	— 3	— 9	0	— 4	26	10	141
	5	— 15	— 12	— 1 2	— 10	— 2	7	11	5	11	4	0	8	171
	6	5	16	25	20	25	10	— 36	— 19	— 38	— 2	— 4	— 8	256
	7	— 1	— 9	— 18	— 18	— 3	3	9	8	4	— 3	— 2	— 3	120
	8	— 11	— 15	— 19	— 16	— 8	6	4	— 2	0	0	7	9	179
	9	— 7	— 10	— 6	— 15	— 13	— 6	2	4	9	8	7	7	139
	10	— 28	— 25	— 16	— 13	— 10	— 4	5	8	7	6	8	6	234
	11	— 2	— 6	— 9	— 11	— 4	4	5	3	11	0	2	— 4	87
	12	7	1	— 3	— 1	— 2	— 5	— 1	7	12	6	4	— 2	97
	13	7	11	18	35	33	26	33	7	— 18	— 23	23	— 20	311
	14	— 5	7	26	— 7	4	30	24	6	— 45	2	— 22	— 17	316
	15	6	28	55	27	— 29	— 33	— 33	— 8	0	— 18	— 24	— 4	578
	16	4	7	14	34	2	— 37	— 28	— 11	8	— 24	— 23	— 5	398
	17	— 8	1	— 2	— 9	— 1	0	4	5	9	8	5	7	166
	18	4	2	4	0	— 5	— 6	— 2	— 1	2	— 2	— 3	0	99
	19	6	2	— 4	— 1	0	— 3	— 7	1	— 2	— 2	— 5	7	103
	20	9	7	— 3	— 3	— 3	1	1	— 1	0	— 3	— 4	— 3	85
	21	0	8	4	— 10	— 12	— 8	— 4	— 2	7	6	6	4	113
	22	4	3	— 5	— 6	— 3	2	7	7	5	0	— 3	— 2	81
	23	5	2	— 1	4	6	— 3	— 1	— 3	— 4	— 1	2	— 1	84
	24	1	— 6	— 6	1	2	— 12	— 9	3	7	5	5	2	119
	25	3	1	— 3	1	2	— 2	2	3	3	5	— 2	— 2	71
	26	6	— 1	— 5	— 8	— 7	— 1	5	4	5	5	2	1	103
	27	— 2	— 13	— 13	— 13	— 3	— 2	2	3	5	1	— 3	6	100
	28	— 3	1	1	10	— 2	— 12	— 27	— 22	0	— 10	6	— 5	195
	29	4	5	12	21	46	43	33	9	— 1	14	— 9	— 3	326
	30	— 8	— 16	— 18	— 5	4	14	10	10	13	11	11	11	228
	31	7	— 3	— 10	— 8	— 11	— 5	— 2	— 1	3	3	1	3	158
Hourly Amount.		195	253	344	326	259	306	335	192	246	194	230	164	5485

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
MAY.	1	— 1	— 1	2	4	6	2	5	10	14	9	— 3	— 4	—
	2	3	4	2	4	1	3	7	7	1	— 9	— 15	— 9	—
	3	— 3	2	1	— 1	1	— 3	0	— 3	— 3	— 8	— 12	— 10	—
	4	— 5	— 4	— 2	— 5	2	1	7	0	— 7	— 15	— 5	— 4	—
	5	— 11	— 1	5	1	13	13	15	14	12	— 1	— 3	— 1	—
	6	— 1	— 2	0	6	8	5	8	13	7	— 10	— 7	— 6	—
	7	— 1	1	— 1	1	— 2	3	5	6	0	— 10	— 7	— 4	—
	8	— 2	— 9	— 7	1	2	— 2	— 2	12	14	10	7	1	—
	9	0	0	— 1	2	— 1	2	3	3	4	— 4	— 10	— 10	—
	10	— 4	— 2	— 4	— 2	— 2	— 1	3	7	10	5	0	— 1	—
	11	0	1	— 2	— 2	— 3	— 4	— 2	8	13	14	16	13	—
	12	4	4	5	4	3	2	5	5	15	14	5	1	—
	13	4	4	2	— 1	— 1	0	0	6	4	— 2	— 2	— 1	—
	14	13	5	— 2	— 13	— 15	— 16	— 16	— 15	— 4	0	14	19	—
	15	— 4	— 6	— 6	— 13	— 12	— 14	— 8	22	10	31	18	18	—
	16	— 4	— 23	— 5	1	6	— 19	— 14	— 32	— 18	— 6	17	5	—
	17	— 4	— 23	— 5	0	— 4	4	0	1	— 13	— 8	0	11	—
	18	— 3	1	4	4	0	— 1	— 1	5	— 6	— 1	2	2	—
	19	1	2	2	2	2	3	6	1	— 4	1	— 4	— 13	—
	20	— 4	— 1	— 4	0	3	1	— 4	— 9	— 6	— 1	2	— 2	—
	21	4	6	2	6	8	13	9	— 2	— 9	— 11	— 2	— 2	—
	22	3	7	4	1	0	— 3	— 4	— 2	— 3	— 4	— 1	— 6	—
	23	2	3	— 2	1	3	3	2	— 12	— 8	— 5	— 5	2	—
	24	3	7	5	7	6	5	2	— 15	— 8	1	0	— 1	—
	25	1	2	0	0	1	— 1	— 2	2	1	0	— 1	— 10	—
	26	3	2	1	— 1	1	— 2	— 1	— 1	1	2	— 3	0	—
	27	1	2	— 2	— 3	— 8	2	— 3	— 1	— 3	— 1	— 3	— 1	—
	28	0	6	3	— 4	— 5	— 4	— 11	— 21	— 17	— 13	— 4	10	—
	29	— 5	— 1	— 4	— 15	— 7	2	— 7	2	16	19	19	12	—
	30	10	12	9	7	1	— 4	— 10	— 14	— 16	0	— 8	2	—
	31	0	7	8	9	— 8	9	7	5	10	3	— 9	— 16	—
	Hourly Amount.	104	151	102	118	135	147	169	256	257	218	204	197	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
MAY.	1	— 12	— 18	— 10	— 7	— 3	0	— 2	— 3	— 2	0	2	4	124
	2	2	3	6	3	5	3	— 1	— 1	2	2	0	— 2	92
	3	3	11	17	16	15	2	2	0	— 1	— 11	— 4	— 5	134
	4	7	9	9	4	2	1	3	5	0	— 1	— 15	— 7	120
	5	— 9	— 10	— 10	— 1	— 6	— 7	— 8	— 5	— 7	— 3	1	— 4	161
	6	— 2	— 3	— 10	— 8	— 9	— 1	26	14	19	— 3	— 3	0	171
	7	— 1	— 6	2	6	— 2	— 5	— 4	— 4	3	3	1	2	80
	8	— 9	— 10	— 4	— 3	— 1	— 5	0	2	2	3	— 1	— 1	110
	9	— 6	1	3	9	6	3	— 1	— 2	— 3	— 1	— 1	— 1	77
	10	0	5	— 5	— 11	— 6	— 2	0	— 1	— 1	2	0	2	76
	11	3	— 7	— 13	— 10	— 9	— 5	— 5	— 3	— 4	3	3	5	148
	12	— 5	— 16	— 16	— 11	— 5	0	— 2	— 6	— 6	— 2	3	4	143
	13	2	4	3	— 11	— 17	— 10	— 11	5	18	22	— 8	13	151
	14	17	13	12	19	9	— 15	— 12	2	— 23	— 14	12	12	292
	15	— 4	— 15	— 29	— 9	22	11	13	21	26	7	— 7	— 14	340
	16	12	11	3	— 9	— 3	33	7	5	— 1	11	8	— 2	255
	17	4	— 1	— 7	— 6	— 7	— 4	— 1	— 2	— 2	— 1	— 1	— 2	111
	18	— 1	3	3	— 5	3	5	— 3	— 4	— 2	— 1	— 2	— 2	64
	19	— 12	— 2	5	8	12	1	1	— 1	— 1	1	5	— 4	94
	20	— 2	2	10	10	2	1	— 2	— 2	0	0	1	3	72
	21	— 1	— 5	— 14	— 6	— 1	4	6	0	— 5	— 3	— 4	— 1	124
	22	— 5	1	9	11	4	0	— 3	— 4	— 2	1	2	2	82
	23	2	3	6	0	— 3	2	1	1	2	2	— 3	0	73
	24	— 1	— 2	6	1	1	5	4	— 5	— 5	— 5	— 2	— 1	98
	25	— 11	— 4	— 1	3	— 1	2	1	1	1	0	2	2	50
	26	— 2	— 3	1	7	0	1	— 1	— 1	1	1	0	1	37
	27	3	7	9	10	6	1	— 1	— 2	— 2	— 1	6	0	78
	28	14	12	16	18	14	8	12	7	— 4	— 1	— 7	— 3	214
	29	12	— 1	— 15	— 20	— 28	— 25	— 16	0	9	2	10	6	253
	30	14	18	13	0	— 1	— 5	— 7	— 8	— 8	— 7	— 5	— 3	182
	31	— 9	— 4	— 2	— 5	2	3	0	— 2	— 3	— 4	— 1	— 2	128
	Hourly Amount.	187	210	269	247	205	170	156	119	165	118	120	110	4134

EASTERLY DECLINATION. D.

DEVIATIONS — UNITY = 0′.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE	1	2	1	1	— 1	0	— 1	7	2	2	— 3	— 3	— 3	—
	2	— 1	2	2	1	1	0	— 3	1	2	0	2	— 1	—
	3	0	— 1	— 1	1	— 1	2	3	8	5	3	1	4	—
	4	5	3	3	2	2	1	— 4	— 2	— 2	1	— 9	— 9	—
	5	3	1	2	2	1	6	3	2	4	— 1	0	— 6	—
	6	— 2	— 2	— 3	— 2	— 1	0	11	20	5	1	4	— 3	—
	7	0	3	0	2	0	— 1	— 1	— 1	— 10	— 6	1	12	—
	8	4	5	4	3	3	5	— 4	— 8	— 5	— 8	— 4	— 1	—
	9	1	5	8	4	4	2	— 2	— 6	— 3	— 5	— 3	— 6	—
	10	— 2	1	1	1	0	— 1	— 2	— 6	— 3	0	2	6	—
	11	5	5	4	2	1	1	— 3	— 1	— 4	— 2	— 5	— 7	—
	12	— 2	— 3	— 1	0	1	2	6	8	7	2	— 3	— 5	—
	13	3	1	2	0	1	— 1	4	1	0	— 1	0	2	—
	14	— 2	1	1	0	— 2	— 1	— 2	0	— 1	0	1	5	—
	15	4	3	— 1	3	2	— 4	— 6	— 3	8	13	13	7	—
	16	— 5	— 6	— 6	— 5	— 4	— 5	— 5	2	7	11	14	13	—
	17	— 5	— 6	— 5	— 6	— 5	1	— 8	— 6	2	13	11	6	—
	18	— 3	— 4	— 4	— 6	— 3	— 3	— 2	4	9	10	10	7	—
	19	0	7	2	2	1	0	— 5	— 6	— 4	— 12	— 5	— 11	—
	20	— 1	— 4	— 6	— 3	— 5	— 5	3	1	0	1	— 2	— 4	—
	21	— 2	2	— 1	0	— 2	1	0	— 7	— 5	— 7	— 4	— 3	—
	22	— 1	— 3	— 6	0	4	0	4	1	— 2	— 6	— 5	— 2	—
	23	— 3	0	1	1	1	2	3	0	— 4	3	— 3	0	—
	24	1	0	2	1	— 3	2	— 3	1	— 4	— 7	— 6	— 2	—
	25	3	— 1	— 3	— 1	— 1	— 2	— 5	— 7	0	— 3	— 2	— 1	—
	26	— 3	— 6	0	0	2	1	3	2	1	— 4	— 5	— 2	—
	27	— 3	— 2	— 4	— 6	— 3	— 1	1	— 1	0	4	3	8	—
	28	— 3	2	5	3	2	3	3	3	1	3	2	4	—
	29	4	3	4	2	0	0	— 1	0	0	1	— 2	— 3	—
	30	— 2	— 1	— 2	0	0	0	— 1	1	— 1	1	1	0	—
Hourly Amount.		75	84	85	60	56	54	108	111	101	132	126	143	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JUNE	1	1	3	0	— 3	1	1	2	1	0	— 3	— 3	— 1	45
	2	— 4	— 7	— 1	— 1	1	3	0	0	— 3	— 2	— 2	1	41
	3	5	0	— 2	— 1	— 2	— 4	0	— 3	— 3	— 3	1	1	55
	4	— 8	— 2	3	4	— 2	3	1	2	3	1	3	2	77
	5	— 9	— 8	— 4	— 4	0	2	4	1	— 2	— 2	0	— 1	68
	6	— 4	0	— 4	— 6	— 2	— 5	— 2	— 2	0	— 1	— 1	4	85
	7	12	8	3	— 3	— 3	— 5	— 3	— 3	— 2	— 2	0	4	85
	8	— 1	3	5	— 1	— 1	— 3	— 2	2	0	1	3	3	79
	9	— 8	— 5	— 3	— 4	— 1	3	9	2	3	1	2	— 1	91
	10	6	2	3	— 1	— 1	0	— 3	— 3	— 1	— 2	0	3	50
	11	— 5	— 4	0	— 1	2	3	1	2	1	3	2	— 1	65
	12	— 4	— 6	— 4	— 4	— 7	— 4	2	3	2	1	3	4	84
	13	0	0	0	1	1	— 4	— 3	— 1	— 1	— 2	— 1	— 2	32
	14	4	1	3	— 4	— 1	— 11	— 14	0	2	1	5	6	68
	15	4	0	— 2	— 2	0	— 3	— 4	— 6	— 5	— 5	— 5	— 4	107
	16	9	0	0	— 4	— 1	— 1	4	4	3	3	— 1	— 3	116
	17	— 1	— 6	— 6	0	3	4	— 2	— 1	— 1	— 2	— 4	0	104
	18	— 2	— 2	— 2	4	0	3	— 4	2	0	0	0	1	85
	19	— 4	— 6	1	3	8	13	6	7	2	3	0	2	110
	20	4	6	4	8	0	2	2	— 3	1	1	— 1	— 2	69
	21	— 3	2	— 1	5	2	2	4	6	1	5	— 2	0	67
	22	— 1	— 1	— 2	4	2	4	4	2	1	— 1	1	— 2	59
	23	6	4	0	— 4	1	3	— 2	— 4	— 1	2	— 1	— 2	51
	24	1	6	7	7	— 1	— 1	0	1	5	1	1	0	63
	25	0	6	11	6	4	1	— 1	— 2	— 1	0	1	— 2	64
	26	— 1	3	— 2	— 3	1	4	5	5	6	— 1	0	— 3	63
	27	5	11	5	0	— 5	— 7	— 1	— 6	— 2	— 3	— 2	— 5	88
	28	— 2	— 8	— 9	— 1	0	1	— 2	— 2	0	0	0	4	63
	29	— 1	— 3	0	1	0	1	1	— 1	1	0	0	— 1	30
	30	— 2	1	2	3	2	— 4	— 1	— 1	0	1	1	1	29
Hourly Amount.		117	114	89	93	55	105	89	78	53	53	46	66	2093

HORIZONTAL FORCE. A.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.													
1	4	6	5	1	0	— 6	— 11	— 10	— 12	— 1	3	8	—
2	1	— 2	0	— 3	— 5	— 3	— 3	— 5	— 1	6	8	3	—
3	3	0	— 5	— 10	— 8	— 7	— 6	— 9	— 7	— 1	7	2	—
4	2	3	2	7	9	8	5	2	0	— 2	7	7	—
5	— 3	1	— 2	— 2	— 2	— 1	— 1	— 3	— 5	— 1	— 7	— 3	—
6	1	9	18	17	13	14	7	5	9	4	— 12	— 8	—
7	— 3	— 4	— 3	— 5	1	3	0	— 4	0	2	4	4	—
8	3	3	2	0	0	— 1	2	2	2	— 3	2	— 6	—
9	4	2	— 1	2	3	8	8	9	11	3	— 11	— 14	—
10	4	1	— 1	0	0	1	— 1	0	4	6	10	4	—
11	— 1	— 1	— 3	— 5	— 2	— 2	1	0	1	2	5	6	—
12	— 1	0	1	— 1	— 3	— 2	1	0	3	6	5	— 2	—
13	1	0	— 1	— 4	— 2	— 3	— 5	— 10	— 13	— 16	— 6	8	—
14	5	6	5	2	2	— 3	— 15	— 21	— 26	— 29	— 29	— 22	—
15	— 23	— 11	— 2	6	6	14	17	13	2	12	5	— 11	—
16	4	2	1	4	0	2	— 1	— 2	— 2	— 3	0	— 3	—
17	— 11	— 7	— 8	— 2	0	— 1	— 1	0	0	— 4	— 3	— 2	—
18	1	3	1	0	0	1	— 2	— 2	1	1	5	4	—
19	2	— 4	11	1	4	5	16	17	5	— 4	— 5	— 8	—
20	7	2	— 2	11	2	0	2	1	12	4	— 11	4	—
21	— 2	0	— 3	— 6	— 7	— 7	2	3	1	1	3	7	—
22	0	0	1	— 2	— 2	— 2	— 7	9	11	8	11	— 2	—
23	5	— 2	— 3	— 7	— 4	— 4	— 3	— 3	— 2	1	1	6	—
24	— 6	— 1	1	3	0	0	3	— 1	— 1	— 2	— 1	— 3	—
25	3	1	1	— 2	1	1	4	9	— 3	4	0	4	—
26	2	3	— 1	— 2	8	4	3	5	2	5	— 1	1	—
27	4	4	3	4	— 1	— 7	— 6	— 2	7	4	5	10	—
28	— 3	— 7	— 9	— 2	— 2	— 5	— 2	2	1	— 3	— 1	3	—
29	— 3	— 5	— 4	— 5	— 7	— 7	— 5	— 3	1	— 1	0	4	—
30	0	0	— 1	— 1	0	0	— 2	— 4	— 3	— 1	— 1	— 8	—
Hourly Amount.	112	90	101	117	94	122	142	156	148	140	169	177	—

Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JUNE.													
1	9	12	8	2	— 2	— 2	— 7	— 6	0	3	3	2	123
2	6	7	2	— 1	0	2	4	5	5	2	2	— 2	78
3	3	6	0	1	5	5	— 3	— 9	— 4	— 3	1	3	108
4	1	— 16	— 6	— 20	— 17	— 22	4	6	8	7	5	2	168
5	1	— 3	18	16	0	— 11	— 11	— 9	— 3	1	— 1	1	106
6	— 5	— 8	— 9	— 13	— 14	1	— 2	— 3	5	10	10	2	199
7	5	— 1	— 6	— 7	— 5	— 1	— 1	4	5	5	0	2	75
8	— 7	— 8	— 5	— 5	0	3	1	— 2	— 5	— 2	— 7	— 7	78
9	— 4	6	4	2	— 5	— 8	— 11	1	4	7	4	— 2	134
10	— 3	— 6	— 6	— 6	— 5	— 1	— 2	— 3	1	2	1	— 3	71
11	7	3	1	— 4	— 6	— 1	— 1	1	4	5	3	3	68
12	— 2	— 3	— 4	— 5	— 1	0	— 1	— 1	3	— 1	0	— 1	47
13	19	16	15	9	4	4	0	2	4	2	4	4	152
14	— 6	9	24	74	52	45	50	7	— 49	— 66	— 41	— 25	613
15	— 18	— 19	— 11	— 7	3	6	3	4	9	12	10	8	232
16	3	5	8	14	8	3	0	1	— 2	— 10	— 11	— 14	103
17	— 3	3	8	3	— 2	— 1	— 1	— 2	5	6	3	4	80
18	— 3	1	— 2	— 8	— 2	— 1	2	— 2	— 5	— 3	3	3	56
19	— 8	— 22	— 20	— 9	— 7	0	— 3	2	4	10	4	7	178
20	9	1	— 27	— 21	— 7	— 1	2	4	8	4	7	4	153
21	— 1	— 3	— 3	— 3	0	0	2	2	— 1	1	6	— 1	65
22	— 14	— 1	— 11	— 23	— 8	0	— 1	2	7	5	4	4	135
23	4	11	10	5	4	3	1	1	0	— 1	4	— 2	87
24	— 5	— 8	0	— 1	18	— 3	0	1	— 2	— 3	— 4	— 5	72
25	5	— 4	— 9	— 4	— 9	0	— 1	— 3	— 4	8	— 1	— 3	84
26	— 10	— 1	1	1	— 2	— 14	— 15	— 8	— 4	1	4	6	104
27	— 2	0	9	8	— 1	— 4	— 3	8	1	— 3	— 17	9	122
28	5	7	— 1	2	3	2	0	1	5	2	0	— 2	70
29	6	11	7	5	4	3	— 1	— 1	2	2	4	4	95
30	1	8	8	— 2	— 3	— 1	— 2	— 1	2	1	3	0	53
Hourly Amount.	175	209	243	281	197	148	135	102	161	188	167	135	3709

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JUNE.	1	— 3	— 6	— 8	— 6	— 7	— 7	— 6	9	9	— 5	— 1	3	—
	2	— 1	1	1	3	4	4	4	— 2	— 6	— 10	— 7	— 2	—
	3	0	1	5	9	8	6	4	12	1	0	— 13	— 11	—
	4	— 5	— 3	— 1	— 1	— 2	— 2	7	— 1	— 2	— 4	— 6	— 2	—
	5	— 2	— 6	— 3	— 1	— 1	2	2	5	6	3	9	0	—
	6	— 4	— 8	— 13	— 13	— 6	— 8	— 8	1	3	3	9	8	—
	7	3	5	4	5	3	5	8	10	2	— 2	— 4	— 9	—
	8	— 5	— 5	— 4	— 3	— 2	1	1	14	15	18	6	— 1	—
	9	— 2	— 1	— 3	— 5	— 4	— 8	— 5	5	2	6	9	9	—
	10	3	2	2	2	1	1	6	4	— 2	— 4	— 5	— 4	—
	11	5	6	7	6	3	4	6	— 5	— 1	— 1	— 1	— 2	—
	12	5	2	3	3	6	1	0	— 13	— 4	— 2	0	5	—
	13	— 2	— 1	— 2	— 3	— 5	— 2	— 1	3	8	8	3	0	—
	14	— 1	1	2	5	4	8	13	9	9	8	8	0	—
	15	7	2	— 1	— 2	— 6	— 7	— 7	— 18	— 20	— 29	— 16	6	—
	16	0	2	3	2	3	3	— 2	— 7	— 10	— 7	— 2	8	—
	17	9	5	4	0	— 2	— 2	— 4	— 14	— 16	— 11	— 3	4	—
	18	0	0	1	1	4	2	2	— 7	— 3	4	1	2	—
	19	— 4	0	— 9	— 5	— 6	— 6	— 15	— 2	8	12	7	6	—
	20	1	3	6	0	5	5	3	— 6	— 11	— 2	1	— 4	—
	21	0	0	2	5	5	3	— 3	5	8	2	— 3	— 3	—
	22	— 1	— 3	— 3	— 1	— 1	— 5	— 7	— 1	2	0	— 4	5	—
	23	— 1	2	4	4	5	5	4	0	3	0	0	— 5	—
	24	0	— 3	— 2	— 3	0	3	2	— 3	— 1	6	4	5	—
	25	— 1	0	— 3	— 2	— 4	— 6	— 6	— 2	2	3	0	— 8	—
	26	0	— 1	1	— 1	— 8	— 6	— 9	3	5	6	4	— 4	—
	27	1	2	2	— 1	— 2	0	— 4	— 8	— 8	— 3	1	— 2	—
	28	2	3	5	0	2	4	4	— 2	0	— 8	— 8	— 4	—
	29	3	4	5	7	6	6	4	— 4	— 8	— 3	— 2	— 4	—
	30	— 3	— 3	— 2	— 2	— 2	— 2	0	9	10	8	10	4	—
Hourly Amount.		74	81	111	101	117	124	147	184	185	178	147	130	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JUNE.	1	9	4	4	8	6	5	6	4	0	— 2	— 2	— 1	121
	2	— 3	6	3	— 1	1	1	— 1	1	— 1	— 2	— 1	1	67
	3	— 1	7	10	8	— 1	— 5	2	3	— 2	— 5	— 6	— 6	126
	4	— 6	1	2	8	12	26	— 2	— 2	— 5	— 8	— 4	— 3	115
	5	— 6	— 4	— 13	— 8	3	12	10	7	1	— 4	— 2	— 5	115
	6	2	1	6	9	6	0	— 1	— 2	— 4	— 6	— 5	3	129
	7	— 13	— 6	2	2	5	— 1	— 2	— 5	— 6	— 8	— 4	— 5	119
	8	— 6	— 11	— 15	— 9	— 4	0	0	2	5	2	6	5	140
	9	6	— 9	— 11	— 4	2	4	7	3	4	0	6	7	122
	10	— 5	— 1	1	0	— 2	— 4	— 3	— 1	— 5	— 3	2	6	67
	11	— 9	— 2	1	5	3	— 3	— 3	— 3	— 4	— 6	— 2	1	89
	12	0	— 3	1	2	3	— 2	— 3	— 2	— 4	— 4	— 4	— 2	74
	13	— 6	— 3	0	5	5	1	— 2	— 2	— 4	— 8	— 3	— 3	80
	14	— 7	— 4	— 2	— 29	— 27	— 25	— 25	— 2	35	41	22	5	292
	15	17	25	23	12	— 3	— 11	— 2	— 4	— 8	— 13	— 6	— 3	248
	16	4	5	6	— 1	— 2	— 2	1	0	0	4	9	10	93
	17	8	10	5	2	1	0	1	0	— 3	— 8	— 1	— 2	115
	18	4	— 1	— 11	— 8	— 1	1	1	3	4	0	— 5	— 7	73
	19	8	1	1	— 4	— 5	— 3	4	3	3	— 1	4	4	121
	20	— 3	2	23	11	1	— 3	— 2	— 5	— 6	— 8	— 3	— 1	115
	21	— 2	— 6	— 7	— 1	4	— 2	0	0	— 1	— 3	— 6	— 2	73
	22	7	0	5	10	4	— 2	— 1	— 2	— 2	— 2	— 1	2	71
	23	— 5	— 5	— 9	— 5	— 10	— 10	— 3	— 4	— 3	— 3	— 2	0	92
	24	0	— 3	— 8	— 8	— 14	1	5	3	2	1	3	0	80
	25	— 3	0	2	2	7	1	1	0	2	— 5	3	3	66
	26	2	0	— 2	— 2	— 1	6	8	5	2	— 1	0	1	78
	27	9	4	— 2	4	8	3	— 1	— 6	— 3	— 2	11	— 7	94
	28	— 1	— 2	4	1	— 4	— 1	1	0	— 2	— 5	— 2	2	67
	29	0	— 1	— 2	1	3	2	0	0	— 3	— 6	— 2	— 4	80
	30	— 3	— 5	— 18	— 15	1	7	2	1	0	— 3	— 3	2	115
Hourly Amount.		155	132	199	185	149	144	100	75	122	164	130	103	3237

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	1	3	6	5	5	4	— 3	— 7	— 7	— 3	— 1	2	—
	2	2	4	0	— 1	4	3	5	5	1	3	5	4	—
	3	6	5	4	4	2	2	3	1	— 7	— 2	5	7	—
	4	— 3	2	6	3	8	12	15	10	5	6	7	— 2	—
	5	4	3	3	3	1	0	5	1	2	1	— 3	1	—
	6	0	— 2	— 3	0	— 1	0	— 5	— 6	— 8	— 5	— 1	9	—
	7	— 4	0	2	3	8	5	1	2	2	5	2	2	—
	8	— 2	— 2	2	0	— 3	2	— 1	7	4	1	0	— 7	—
	9	1	— 1	1	— 1	— 3	— 3	0	— 2	2	— 1	— 4	— 2	—
	10	1	2	— 2	1	— 5	— 4	— 4	2	0	— 2	0	1	—
	11	— 5	— 5	— 7	— 5	— 3	— 2	7	6	9	7	4	2	—
	12	0	— 1	— 2	0	— 4	— 3	4	6	4	— 2	— 4	— 5	—
	13	0	— 3	— 3	— 3	— 6	— 5	— 2	— 2	— 2	0	0	3	—
	14	— 2	— 3	— 3	— 4	— 5	— 1	3	3	— 1	1	— 3	3	—
	15	— 3	— 4	— 6	— 7	— 7	— 8	— 2	— 3	— 2	2	11	13	—
	16	1	0	— 1	— 5	— 6	— 6	— 6	— 6	— 5	— 3	— 1	— 3	—
	17	1	— 5	— 4	— 3	— 2	— 5	— 10	— 7	0	— 7	— 8	— 1	—
	18	— 6	0	2	3	3	3	— 1	— 4	— 4	— 7	— 10	— 9	—
	19	5	3	1	2	1	0	— 3	— 3	0	1	1	— 3	—
	20	0	— 2	— 3	— 2	— 4	— 1	— 1	0	1	5	— 1	— 6	—
	21	0	2	1	1	1	2	0	— 2	— 4	— 1	2	— 1	—
	22	— 1	— 3	— 5	— 3	— 5	— 2	1	2	2	0	— 1	5	—
	23	1	3	4	2	1	— 2	— 1	1	4	1	— 4	— 9	—
	24	1	2	1	0	1	1	— 3	1	0	1	— 1	— 6	—
	25	— 2	0	0	0	8	— 1	11	8	13	1	— 3	— 3	—
	26	1	— 2	— 3	— 1	1	2	6	11	5	— 3	— 3	2	—
	27	3	5	4	4	2	3	— 5	— 8	— 7	— 7	2	0	—
	28	— 1	— 1	— 2	— 2	0	— 3	— 5	— 2	— 1	8	8	3	—
	29	1	2	0	1	2	2	— 2	— 6	— 7	— 4	— 5	1	—
	30	0	4	4	1	3	3	— 3	— 7	— 5	1	4	5	—
	31	2	1	2	3	2	2	— 1	— 1	— 2	1	— 1	— 4	—
Hourly Amount.		60	75	87	73	107	92	119	132	116	92	105	124	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JULY.	1	— 1	0	0	— 1	— 6	— 6	— 2	— 1	— 3	2	1	1	71
	2	1	— 4	— 5	— 7	— 8	— 8	— 5	— 3	— 2	— 1	1	3	85
	3	8	— 2	— 7	— 10	— 5	— 5	— 5	— 4	— 4	— 3	— 5	— 3	109
	4	— 1	— 4	— 12	— 16	— 14	— 6	— 5	— 2	0	2	2	6	149
	5	— 1	— 1	1	6	2	— 4	— 3	— 2	0	— 2	1	1	51
	6	10	6	7	2	4	— 3	— 4	— 5	1	2	— 7	— 4	95
	7	— 3	— 3	— 1	0	3	2	— 1	3	— 5	— 4	— 3	— 2	66
	8	— 7	— 3	0	2	1	1	2	3	3	4	4	3	64
	9	— 7	— 7	— 5	3	10	4	0	2	1	1	1	0	62
	10	2	— 2	2	5	4	3	6	6	— 1	— 2	— 3	— 5	65
	11	2	3	2	— 2	— 3	— 5	— 1	1	— 1	— 1	— 1	0	84
	12	— 2	3	2	0	0	3	4	5	0	2	1	1	58
	13	7	8	6	1	5	1	0	— 3	— 1	— 2	— 2	— 4	69
	14	8	9	1	— 2	— 2	5	4	1	— 2	— 1	— 1	— 1	69
	15	17	13	4	— 2	— 4	0	0	— 2	— 1	0	0	0	111
	16	— 1	— 1	10	11	6	3	2	4	3	2	2	— 1	89
	17	5	13	8	5	— 1	11	13	2	0	3	0	— 3	117
	18	— 4	— 1	0	— 3	— 2	4	3	4	2	3	3	3	84
	19	— 7	— 6	0	5	5	4	1	— 1	1	0	1	— 2	56
	20	— 8	4	6	8	3	— 1	1	1	5	0	2	— 1	66
	21	— 7	— 13	— 9	— 4	— 1	5	7	7	6	1	1	1	79
	22	9	7	5	4	— 1	— 7	— 5	— 2	— 3	— 3	— 2	1	79
	23	— 7	— 1	6	— 1	— 2	3	1	— 1	0	1	2	2	60
	24	— 9	— 6	— 2	— 2	5	2	2	1	3	3	— 1	0	54
	25	0	— 13	— 13	— 4	— 4	— 4	— 3	4	5	— 1	2	— 1	104
	26	— 6	— 6	— 2	— 1	0	— 1	1	2	1	1	2	2	65
	27	— 5	— 6	— 4	2	3	2	1	3	1	1	0	— 1	79
	28	1	5	3	2	2	— 2	— 5	— 5	— 3	— 1	0	0	65
	29	3	2	3	5	2	— 3	— 3	— 2	— 1	0	0	0	57
	30	2	— 2	— 6	0	4	4	— 1	— 3	— 2	— 3	— 1	— 1	69
	31	— 3	— 1	2	1	0	0	— 3	— 3	— 2	— 3	— 2	3	45
Hourly Amount.		154	155	134	117	112	112	94	88	63	55	54	56	2376

HORIZONTAL FORCE. D.

DEVIATIONS — UNITY = 0.00001 C. G. S

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	1	— 3	— 5	— 2	— 2	— 2	0	— 3	— 5	— 4	— 3	7	—
	2	1	— 4	— 2	7	— 4	— 7	— 3	— 2	1	2	0	1	—
	3	— 1	0	0	— 2	— 1	— 3	— 1	4	11	1	1	9	—
	4	— 2	— 3	— 5	— 4	— 4	— 9	— 15	— 24	— 25	— 11	2	3	—
	5	— 5	— 4	— 5	— 5	— 2	0	1	— 2	— 4	— 2	1	2	—
	6	7	4	3	— 3	0	— 3	0	— 3	— 6	1	4	4	—
	7	— 1	— 5	— 6	— 3	— 2	— 1	2	4	2	— 6	— 5	— 3	—
	8	— 1	5	— 2	— 1	1	3	10	12	7	1	— 3	— 5	—
	9	1	— 1	— 2	0	1	0	6	3	1	— 1	— 2	0	—
	10	4	4	3	— 1	— 1	— 1	— 3	— 5	— 4	1	0	3	—
	11	— 2	— 3	— 2	— 1	— 1	— 2	— 6	— 3	— 4	— 3	0	1	—
	12	1	1	— 1	— 3	— 1	— 5	— 1	1	3	5	11	2	—
	13	1	2	1	— 2	— 2	— 4	— 3	— 1	0	0	— 3	1	—
	14	2	3	2	0	— 1	— 2	0	0	19	3	7	1	—
	15	5	8	6	1	— 4	— 9	— 14	— 15	— 14	— 3	5	8	—
	16	— 3	— 6	— 7	— 6	— 7	— 10	— 6	— 3	1	5	5	2	—
	17	10	5	1	9	9	6	2	— 4	— 12	— 19	— 12	— 7	—
	18	15	17	18	15	13	15	12	10	6	4	— 2	— 3	—
	19	— 2	— 2	— 2	— 2	0	0	0	5	4	6	8	2	—
	20	0	— 1	— 1	— 3	— 2	— 4	— 5	— 7	— 4	— 7	— 6	2	—
	21	— 2	3	5	6	7	6	2	5	5	1	1	2	—
	22	1	1	0	— 1	— 1	— 1	— 3	— 3	— 2	2	— 4	— 2	—
	23	— 3	— 4	— 2	— 4	— 2	— 2	2	3	— 2	1	— 1	— 2	—
	24	8	6	3	3	6	4	2	— 2	— 9	— 6	— 5	1	—
	25	— 24	— 10	— 1	6	3	37	18	17	— 1	1	— 10	— 11	—
	26	5	4	2	0	0	— 2	— 1	— 7	0	5	2	0	—
	27	2	— 3	0	0	3	4	6	8	7	9	— 2	— 4	—
	28	2	0	— 2	— 3	— 4	— 2	— 2	— 4	14	7	0	— 8	—
	29	— 2	— 3	6	— 2	— 4	— 2	— 2	9	4	3	— 4	— 1	—
	30	— 5	— 4	— 9	— 1	— 6	— 6	— 3	2	9	10	11	— 5	—
	31	— 6	— 5	— 2	0	3	1	3	1	— 2	— 4	— 2	0	—
Hourly Amount.		125	124	106	96	97	153	134	172	188	134	122	102	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JULY.	1	9	3	6	0	— 2	3	6	7	5	— 5	0	1	84
	2	— 1	— 10	— 8	— 5	2	3	0	0	— 2	— 2	— 1	— 1	69
	3	10	9	5	3	3	5	8	12	13	10	— 8	— 7	127
	4	6	8	5	7	1	4	3	3	0	— 3	— 4	— 3	154
	5	3	2	4	— 1	3	5	6	3	2	2	2	0	66
	6	— 29	22	6	— 9	— 3	8	10	17	0	— 21	— 11	— 3	177
	7	1	1	1	2	— 2	1	— 6	— 5	5	2	2	4	72
	8	— 4	— 8	— 7	— 8	— 6	1	1	— 1	2	5	4	2	100
	9	3	— 1	— 2	— 4	— 5	1	2	2	2	1	2	2	45
	10	9	5	0	6	0	— 7	— 6	— 4	— 4	0	— 3	— 2	76
	11	— 1	4	9	11	8	3	— 2	— 4	— 5	— 3	— 4	— 4	86
	12	4	— 7	0	1	1	— 2	— 2	2	0	1	3	1	59
	13	4	— 4	— 7	— 1	— 2	— 1	— 2	0	— 1	0	— 1	1	44
	14	6	— 3	— 12	2	9	— 7	— 8	— 2	8	4	5	4	110
	15	5	5	2	5	4	3	4	1	— 2	— 2	— 6	— 7	138
	16	5	2	8	17	16	13	13	11	9	13	16	11	195
	17	— 7	— 6	— 2	— 15	— 14	— 31	— 42	— 48	— 50	— 26	3	23	363
	18	— 3	— 6	— 4	— 2	2	2	1	2	2	4	3	3	164
	19	0	— 8	— 8	— 9	— 5	0	5	6	5	5	0	— 3	87
	20	3	13	4	— 2	7	— 3	0	— 2	— 6	— 6	— 6	0	94
	21	5	— 3	— 2	— 5	— 8	— 5	— 8	— 9	— 4	3	4	4	105
	22	5	13	17	11	4	4	1	1	0	— 4	— 5	— 10	96
	23	— 1	— 4	— 7	— 2	— 4	— 4	— 3	1	4	5	0	1	64
	24	3	14	24	22	5	— 12	6	4	6	— 12	— 26	— 27	216
	25	— 30	— 27	— 14	— 9	— 4	6	10	— 2	2	11	5	7	266
	26	7	3	3	— 2	— 3	2	— 1	— 4	— 5	3	4	5	70
	27	— 4	— 10	— 12	— 8	— 5	3	2	1	— 1	1	2	4	101
	28	— 3	— 4	— 1	— 2	1	2	3	— 4	1	0	4	— 2	75
	29	— 1	0	— 1	1	2	3	3	5	4	4	— 2	— 4	72
	30	— 3	— 2	— 1	— 3	0	0	— 1	4	11	5	4	0	105
	31	1	0	0	1	— 3	— 2	— 3	— 1	— 1	2	3	— 2	48
Hourly Amount.		176	207	182	176	134	146	168	168	162	165	143	148	3528

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
JULY.	1	— 2	2	1	— 1	0	3	6	18	8	4	3	— 2	—
	2	— 1	2	1	— 5	1	2	3	9	9	9	0	— 7	—
	3	— 2	0	0	6	7	9	8	— 6	— 4	— 2	0	— 3	—
	4	— 1	— 3	— 2	— 3	— 3	— 1	1	13	9	5	4	2	—
	5	0	— 2	— 1	— 1	— 1	— 5	— 2	— 4	2	4	0	— 2	—
	6	— 7	— 5	— 4	— 1	— 3	— 2	— 3	14	14	6	— 1	— 8	—
	7	4	1	— 3	— 5	— 7	— 6	— 8	— 6	— 6	— 4	1	5	—
	8	0	— 5	— 2	— 4	— 4	— 6	— 16	— 10	— 2	7	9	4	—
	9	2	3	3	1	1	0	— 4	— 10	— 6	— 3	— 3	— 6	—
	10	0	2	4	5	3	4	1	1	0	— 6	— 5	— 4	—
	11	3	2	— 1	— 4	— 5	— 4	— 10	— 7	— 4	— 1	6	11	—
	12	5	8	9	9	8	9	0	— 13	— 8	— 1	— 5	— 1	—
	13	4	4	5	4	6	11	5	— 1	— 12	— 11	— 11	— 9	—
	14	2	2	2	3	4	3	4	— 1	— 19	— 21	— 17	— 8	—
	15	0	— 3	— 1	2	4	5	9	11	4	— 6	— 10	— 8	—
	16	0	1	4	4	3	5	1	1	— 5	— 8	— 5	— 4	—
	17	1	8	11	7	5	8	10	— 7	— 2	9	6	— 8	—
	18	— 22	— 21	— 17	— 12	— 10	— 10	— 3	8	17	16	13	4	—
	19	2	0	— 1	0	— 1	— 3	— 1	— 5	— 2	4	0	12	—
	20	— 1	2	2	3	1	4	3	1	— 2	5	8	5	—
	21	— 1	— 3	— 6	— 6	— 5	— 1	0	8	4	6	2	2	—
	22	— 1	— 1	— 1	1	— 2	0	0	4	8	7	2	— 6	—
	23	— 1	— 2	— 5	— 6	— 5	— 8	— 10	0	5	3	8	5	—
	24	1	2	4	2	2	3	5	— 2	6	4	— 4	— 1	—
	25	8	— 4	— 10	— 11	— 10	— 31	— 21	— 9	7	13	20	16	—
	26	1	0	1	— 1	— 3	— 3	— 2	2	1	— 1	— 1	— 4	—
	27	1	4	3	3	2	0	— 1	— 3	— 2	— 6	7	6	—
	28	6	7	7	7	7	9	11	2	— 14	— 19	— 10	2	—
	29	0	2	0	6	8	9	9	— 5	1	— 1	— 2	— 1	—
	30	1	2	2	— 1	2	1	4	— 4	— 13	— 15	— 13	8	—
	31	1	1	— 1	— 2	— 3	— 1	— 1	3	6	3	2	3	—
Hourly Amount.		81	104	114	126	126	166	162	188	202	210	178	167	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
JULY.	1	— 8	— 14	— 11	— 4	5	0	— 3	— 3	— 2	1	— 3	— 4	108
	2	— 4	1	3	6	1	— 2	— 1	0	2	3	1	1	74
	3	— 3	— 4	— 6	— 6	— 5	— 5	— 3	— 4	— 6	— 7	2	0	98
	4	— 4	— 4	1	0	0	2	2	3	4	3	— 1	0	71
	5	— 5	— 2	2	5	8	3	— 2	— 3	— 2	— 5	— 7	— 6	74
	6	— 5	— 11	1	10	1	— 2	— 1	— 3	5	18	11	3	139
	7	4	4	2	— 1	4	2	6	7	— 1	— 2	— 1	— 4	94
	8	— 1	8	4	5	2	— 2	— 1	— 1	1	1	4	3	102
	9	— 1	10	6	2	— 2	— 3	— 2	— 2	0	1	1	1	73
	10	— 1	2	— 2	— 7	— 2	— 1	8	0	— 1	0	1	0	60
	11	13	6	0	— 2	— 6	— 5	0	0	2	— 1	2	5	100
	12	— 2	0	0	2	2	— 5	— 4	— 6	— 3	— 1	— 4	2	107
	13	— 4	13	16	5	0	— 1	0	— 3	— 4	— 3	0	0	132
	14	— 4	10	20	5	1	2	3	— 4	— 7	— 4	— 4	— 2	152
	15	— 3	1	5	2	0	— 2	— 2	— 3	1	1	4	5	92
	16	2	2	— 5	— 2	— 4	— 5	— 6	— 6	— 2	— 7	— 6	— 2	90
	17	— 3	— 1	3	12	10	12	17	15	16	0	— 16	— 25	212
	18	— 8	— 7	— 2	1	0	— 4	— 1	— 1	— 1	— 2	— 3	— 1	184
	19	6	1	— 2	2	1	0	— 1	0	0	1	3	3	51
	20	4	— 19	— 9	— 4	— 3	4	— 1	— 2	3	— 1	0	— 2	89
	21	— 2	— 9	— 7	— 7	— 2	1	2	5	3	2	4	1	89
	22	— 8	— 10	— 6	— 3	3	2	0	1	1	0	0	— 1	68
	23	4	1	2	4	0	0	0	— 2	— 2	— 2	0	0	75
	24	— 1	— 5	— 8	— 15	— 8	7	— 4	— 1	1	10	18	14	128
	25	21	14	0	— 4	— 5	— 10	— 9	2	1	— 2	2	1	231
	26	— 7	— 3	1	0	5	2	1	3	4	— 1	— 1	— 1	49
	27	9	— 1	— 11	— 13	— 6	— 4	— 4	— 5	— 4	— 3	— 1	1	100
	28	5	7	5	8	3	— 2	— 4	— 3	— 6	— 6	— 7	— 4	161
	29	— 7	— 4	— 6	— 5	0	1	1	— 3	— 5	— 4	— 2	2	84
	30	15	17	8	4	— 2	5	1	— 1	— 6	— 3	— 6	— 2	136
	31	— 2	— 1	— 5	— 7	— 5	0	1	0	1	0	1	2	52
Hourly Amount.		166	192	159	153	96	96	91	92	97	95	116	98	3275

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0′.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	— 1	3	3	3	4	2	6	6	11	6	4	1	—
	2	2	1	1	5	5	1	0	4	6	— 3	— 3	— 5	—
	3	1	1	0	4	— 1	— 3	— 18	4	7	4	2	1	—
	4	— 5	— 3	— 4	— 1	0	— 1	— 7	— 4	— 5	2	2	5	—
	5	0	— 1	— 1	— 1	0	— 3	1	5	5	— 2	— 7	— 4	—
	6	— 2	0	— 3	— 1	— 1	— 2	1	1	2	— 2	— 2	2	—
	7	0	— 1	0	— 3	— 4	— 2	— 1	— 2	— 4	— 1	— 2	2	—
	8	0	— 1	— 1	— 1	— 3	— 6	— 1	— 5	— 7	— 4	— 2	2	—
	9	— 4	— 1	0	— 1	— 1	2	2	5	— 3	2	— 2	— 3	—
	10	— 2	— 3	1	— 2	— 4	1	1	— 2	4	5	3	1	—
	11	0	— 3	— 2	— 5	— 9	— 7	— 5	— 4	4	3	3	4	—
	12	— 4	— 2	— 2	— 2	— 2	3	0	6	5	— 1	— 2	— 3	—
	13	4	3	2	0	— 3	— 5	— 5	0	1	3	— 1	— 4	—
	14	— 2	— 1	— 1	— 2	— 2	— 1	— 1	— 1	— 2	— 3	7	4	—
	15	0	— 4	1	— 1	5	— 5	— 2	4	5	3	0	— 5	—
	16	0	— 1	0	1	0	— 1	6	— 1	0	— 3	— 4	— 10	—
	17	4	4	5	3	4	4	1	0	— 1	— 4	— 6	0	—
	18	1	— 1	— 1	— 1	— 1	— 2	— 5	— 9	— 13	— 4	7	15	—
	19	4	2	5	2	2	2	— 4	— 5	— 2	0	— 6	— 9	—
	20	— 1	5	— 1	3	8	1	9	3	1	2	1	4	—
	21	— 1	0	2	4	3	3	5	6	4	1	2	1	—
	22	2	4	4	5	6	8	13	8	2	2	— 2	— 9	—
	23	— 1	4	2	— 1	— 1	2	0	1	0	— 2	— 3	— 3	—
	24	1	3	3	4	2	3	1	— 3	— 6	— 3	2	1	—
	25	1	1	2	1	1	5	6	— 2	0	— 4	— 5	— 5	—
	26	1	0	— 1	— 2	— 2	2	2	— 2	— 5	— 6	— 4	6	—
	27	0	0	1	0	— 1	2	4	— 3	— 6	— 3	4	4	—
	28	6	4	5	5	3	2	1	— 3	3	— 0	— 6	— 6	—
	29	2	0	0	— 8	— 5	— 4	— 5	— 8	— 5	9	11	8	—
	30	— 8	— 8	— 10	— 16	— 2	3	— 8	— 8	— 3	4	7	5	—
	31	2	— 6	— 6	5	4	3	5	5	3	0	1	2	—
Hourly Amount.		62	71	70	93	89	91	126	120	125	91	113	134	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
AUGUST.	1	— 2	— 9	— 11	— 9	— 3	0	— 4	— 3	— 1	— 1	2	3	98
	2	— 7	— 3	— 3	— 4	3	3	6	— 2	— 1	— 1	— 1	— 2	72
	3	— 2	6	6	3	— 1	8	5	3	— 3	— 1	— 5	— 5	94
	4	13	13	15	4	— 5	— 6	— 4	— 6	— 4	— 3	— 3	8	123
	5	— 1	1	2	2	— 1	— 2	1	1	3	0	0	— 2	46
	6	3	5	5	1	0	1	2	— 1	— 1	— 1	— 1	— 1	41
	7	3	— 1	2	3	0	3	6	5	5	1	1	0	52
	8	4	— 1	0	1	8	5	1	— 1	2	0	— 4	— 3	63
	9	— 1	— 1	— 2	1	3	0	1	1	0	1	— 1	0	38
	10	— 4	— 5	— 4	— 1	2	5	7	3	2	0	— 2	— 2	66
	11	7	7	3	1	3	0	5	9	7	— 3	— 5	— 4	103
	12	— 6	— 7	— 8	— 3	2	2	2	— 1	2	2	5	3	75
	13	— 6	— 10	— 4	10	11	0	1	5	2	1	— 2	2	85
	14	0	— 3	2	3	0	4	— 1	— 2	— 4	— 4	— 4	— 2	56
	15	— 6	— 1	4	7	4	1	2	3	0	0	2	1	66
	16	— 2	11	4	— 1	— 6	— 5	— 4	0	— 3	0	— 1	3	67
	17	— 5	— 5	1	— 3	— 4	— 4	2	0	3	4	3	3	73
	18	12	9	11	4	— 4	— 7	— 6	— 3	— 2	— 2	1	2	123
	19	— 7	— 6	— 4	0	0	— 3	— 2	0	1	1	0	— 1	68
	20	3	2	2	— 4	— 8	— 7	— 5	— 4	— 2	— 1	0	— 3	80
	21	— 2	— 3	— 3	— 2	— 3	— 6	— 5	— 5	— 2	0	0	— 2	65
	22	— 8	— 8	— 7	— 5	— 4	— 1	— 3	0	2	2	3	4	112
	23	— 5	— 3	3	0	— 1	0	— 3	— 2	0	0	2	2	41
	24	1	3	0	0	2	0	— 4	— 3	— 3	— 1	2	0	51
	25	— 1	3	2	— 1	— 1	— 5	— 2	— 2	1	1	3	2	57
	26	15	10	0	— 4	— 4	3	— 3	— 2	— 1	— 1	0	— 1	77
	27	2	— 2	— 2	1	0	— 1	— 4	— 2	— 1	0	3	5	51
	28	— 7	— 12	— 6	— 2	4	2	1	2	3	3	3	4	93
	29	9	— 1	— 1	1	3	5	9	7	3	3	— 1	— 6	114
	30	0	13	4	0	— 3	1	— 4	— 2	— 1	0	2	— 5	117
	31	0	— 4	— 10	— 7	0	2	— 2	3	— 1	— 1	0	2	74
Hourly Amount.		144	168	131	88	93	92	107	83	66	39	62	83	2341

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	— 3	— 3	0	— 2	— 2	— 5	— 5	— 5	— 3	0	5	8	—
	2	6	6	3	— 9	— 6	— 9	— 8	— 6	0	1	9	11	—
	3	15	— 9	— 9	— 7	— 11	— 5	— 8	— 7	— 4	— 8	— 8	1	—
	4	1	12	10	3	2	16	5	— 1	— 4	2	— 4	— 3	—
	5	0	8	3	2	3	8	4	5	2	2	0	— 5	—
	6	2	0	0	— 3	— 3	— 5	— 1	0	3	1	— 2	9	—
	7	1	— 1	— 1	— 3	— 8	— 13	— 14	— 17	— 19	— 15	— 2	12	—
	8	— 6	— 5	1	4	3	1	8	4	6	— 2	— 5	— 6	—
	9	— 3	— 1	— 1	2	1	— 4	— 5	— 7	0	— 2	7	7	—
	10	— 5	0	— 2	4	2	2	0	6	— 1	— 11	— 8	— 7	—
	11	4	7	5	1	7	2	0	2	3	2	5	4	—
	12	2	— 2	2	5	3	1	6	7	2	3	2	2	—
	13	— 3	— 3	0	5	3	— 2	0	— 5	— 2	— 5	2	4	—
	14	1	1	1	2	0	2	— 3	— 7	2	12	— 7	4	—
	15	1	— 3	0	— 5	12	— 5	2	2	— 5	— 5	— 7	— 2	—
	16	— 4	6	— 7	— 3	— 2	2	2	— 5	— 3	7	0	7	—
	17	— 12	5	3	4	1	4	2	2	1	9	3	— 7	—
	18	1	1	0	— 3	— 3	— 4	— 4	— 4	— 1	6	9	8	—
	19	— 4	4	— 1	— 1	— 3	— 2	3	4	0	2	6	2	—
	20	6	— 6	— 4	— 6	— 12	3	— 5	— 7	— 9	— 7	3	— 7	—
	21	1	2	0	2	2	1	1	— 4	— 5	— 6	2	3	—
	22	— 8	— 16	— 8	— 2	— 1	— 10	— 4	0	1	10	1	2	—
	23	2	— 5	— 3	— 1	— 3	— 3	0	2	7	5	4	6	—
	24	— 5	— 5	— 2	— 4	— 2	— 1	— 2	— 1	2	8	8	2	—
	25	— 5	— 11	— 5	— 6	— 9	— 12	— 8	— 5	— 1	3	3	4	—
	26	— 2	— 4	— 9	— 5	— 5	— 11	— 4	— 2	— 2	2	1	9	—
	27	3	— 1	— 1	— 5	1	— 4	— 4	— 2	— 8	— 9	— 4	3	—
	28	— 1	1	4	0	0	— 1	— 2	— 3	— 4	— 1	2	0	—
	29	7	13	16	23	25	50	41	32	23	— 16	— 22	— 49	—
	30	11	19	15	19	14	8	5	14	20	0	— 7	— 18	—
	31	— 4	— 9	— 1	— 8	— 9	— 5	1	7	5	6	1	— 2	
Hourly Amount.		129	169	117	149	158	201	157	175	148	168	149	214	—

	Mean Batavia Time.	1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
AUGUST.	1	5	3	1	1	— 3	3	0	— 2	— 4	— 3	— 1	— 1	68
	2	14	16	2	1	— 4	— 1	9	8	7	13	11	11	171
	3	12	11	— 15	— 28	— 8	— 33	— 10	— 5	4	— 6	13	7	244
	4	— 2	0	2	— 20	— 6	3	2	— 1	0	5	1	2	107
	5	0	— 10	— 13	— 8	— 1	1	0	0	— 2	0	0	— 4	81
	6	7	2	2	1	— 2	— 2	— 3	— 2	1	3	2	— 2	58
	7	23	27	24	19	7	0	— 7	— 6	— 6	0	3	— 1	229
	8	— 6	— 2	— 2	— 4	— 4	— 1	2	1	— 2	— 4	7	— 1	87
	9	4	8	9	8	4	0	— 3	6	7	2	— 6	— 12	109
	10	3	3	9	11	6	— 12	— 12	— 4	0	4	— 1	— 7	120
	11	— 2	— 10	— 3	7	6	1	— 11	— 29	— 31	— 4	5	6	157
	12	— 7	4	12	13	— 2	— 8	— 4	1	1	1	— 11	0	101
	13	— 2	7	6	— 4	— 10	0	2	— 5	0	1	2	2	75
	14	0	6	6	6	— 5	— 2	3	2	— 1	2	2	— 1	78
	15	5	3	— 1	0	— 2	1	— 6	— 9	3	2	1	0	82
	16	8	3	6	2	6	7	7	6	8	— 10	— 20	— 11	142
	17	— 8	— 8	— 9	— 6	— 1	2	0	— 2	0	3	4	3	99
	18	0	— 6	— 4	— 5	— 1	6	5	2	— 3	4	— 6	— 6	92
	19	— 2	3	8	10	6	1	— 2	0	3	5	5	3	80
	20	2	5	— 1	— 2	4	6	3	2	— 7	— 13	— 8	— 1	129
	21	6	9	11	13	11	10	10	15	— 2	— 10	— 15	— 17	158
	22	— 2	— 9	1	2	1	2	3	5	3	1	2	— 3	97
	23	5	— 2	— 5	— 3	— 1	1	1	1	1	2	3	2	68
	24	— 3	— 4	— 3	2	2	4	4	3	3	2	— 2	— 5	79
	25	5	8	6	7	5	8	4	4	3	1	0	— 3	126
	26	8	7	3	2	— 1	— 6	— 6	— 2	1	4	5	8	109
	27	4	7	4	2	— 2	1	2	2	3	— 2	0	0	74
	28	0	— 4	— 4	3	8	10	6	3	6	7	6	0	76
	29	— 64	— 71	— 40	— 23	— 10	0	— 13	— 4	— 15	— 23	— 8	5	593
	30	— 7	— 7	— 11	— 2	5	7	7	6	6	2	2	21	233
	31	0	— 7	— 17	— 8	— 16	— 12	4	0	10	3	5	2	142
Hourly Amount.		216	272	240	223	150	151	151	138	143	142	157	147	4064

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
AUGUST.	1	0	1	0	2	0	3	2	— 3	0	3	— 3	— 5	—
	2	— 3	— 3	1	10	5	8	0	5	— 1	0	— 3	— 8	—
	3	— 8	8	9	5	6	— 2	— 5	— 4	— 4	1	— 2	3	—
	4	1	— 7	— 6	— 1	0	— 10	— 2	9	15	8	3	0	—
	5	1	— 2	— 1	0	0	— 1	1	5	10	6	5	1	—
	6	0	0	1	2	4	4	0	— 1	— 1	2	0	— 14	—
	7	1	3	2	5	8	12	11	12	— 1	2	— 3	— 7	—
	8	2	2	— 1	— 1	1	1	— 2	— 3	— 3	0	— 2	2	—
	9	— 2	— 1	— 3	— 5	— 5	— 5	— 5	5	— 2	0	1	— 3	—
	10	5	1	1	0	2	0	2	— 4	— 12	— 3	6	6	—
	11	0	— 2	0	1	— 2	1	1	— 2	— 13	— 8	— 8	— 1	—
	12	— 2	— 1	0	— 4	— 2	0	0	— 3	— 3	— 2	1	4	—
	13	2	2	3	1	1	4	3	— 3	— 3	3	— 2	2	—
	14	— 1	2	0	— 1	0	2	1	9	2	— 9	— 4	— 6	—
	15	4	7	5	8	— 1	9	5	— 2	4	0	1	— 4	—
	16	2	— 1	5	3	1	1	2	4	7	— 4	0	— 2	—
	17	1	— 8	— 4	— 5	— 4	— 4	— 2	6	1	— 1	3	1	—
	18	4	5	5	9	9	13	16	9	0	— 9	— 9	— 15	—
	19	1	— 5	— 2	— 1	0	2	3	7	9	7	5	0	—
	20	1	3	3	1	1	— 8	— 3	— 1	5	3	— 7	1	—
	21	— 1	— 1	4	3	9	12	10	— 19	— 13	— 6	0	2	—
	22	2	3	— 4	— 7	— 9	— 7	— 9	0	11	8	11	5	—
	23	3	4	4	3	3	4	2	— 8	— 6	— 5	— 1	— 7	—
	24	2	2	— 3	— 1	— 6	— 6	— 6	5	3	3	2	4	—
	25	5	5	— 1	— 2	— 3	— 6	— 4	5	12	8	— 1	3	—
	26	5	4	6	4	0	— 1	— 1	— 1	— 3	— 8	— 12	— 12	—
	27	— 2	2	4	3	— 1	2	3	1	2	— 2	— 10	— 7	—
	28	— 1	— 3	— 5	— 3	— 3	— 4	— 3	7	11	10	5	4	—
	29	— 5	— 8	— 8	— 13	— 9	— 23	— 16	— 25	— 11	11	18	49	—
	30	— 13	— 20	— 15	— 13	— 5	— 1	1	— 4	— 9	— 3	6	9	—
	31	3	5	0	2	1	— 3	— 4	— 6	— 6	— 10	0	2	—
Hourly Amount.		83	121	106	119	101	159	125	178	183	145	134	189	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
AUGUST.	1	5	2	— 2	2	1	— 1	0	0	2	— 3	— 3	— 4	47
	2	— 16	— 18	— 5	4	9	5	— 3	0	0	— 4	— 4	— 5	120
	3	— 2	— 4	13	14	1	14	1	0	— 5	— 3	— 7	— 4	125
	4	— 5	— 12	— 10	4	— 3	— 3	— 1	2	1	0	0	1	104
	5	— 7	— 7	— 8	— 5	1	0	1	2	4	4	3	4	79
	6	— 5	1	0	0	1	1	2	1	1	— 1	— 2	1	45
	7	— 10	— 4	— 17	— 11	0	0	5	4	5	2	0	1	126
	8	5	0	— 7	— 7	0	— 2	0	0	1	3	— 1	0	46
	9	9	5	3	— 4	— 9	0	3	1	— 1	2	10	10	94
	10	2	— 5	1	— 7	— 7	6	6	2	— 3	— 3	2	5	91
	11	6	9	7	1	— 2	0	5	12	13	1	— 6	— 5	106
	12	5	— 2	— 6	— 7	— 2	5	0	— 1	— 2	0	8	0	60
	13	— 1	0	— 7	— 11	3	0	— 2	1	— 3	— 3	— 1	— 1	62
	14	1	— 2	— 3	— 8	— 2	2	— 1	— 1	0	— 1	— 1	3	62
	15	— 11	— 7	— 3	1	5	1	— 1	4	— 3	— 4	— 1	— 3	94
	16	— 10	— 9	— 4	— 2	— 3	— 2	— 4	— 3	— 5	5	10	1	90
	17	0	0	— 2	2	0	— 2	0	— 1	— 1	— 1	— 2	1	52
	18	— 14	— 3	— 2	— 2	— 5	— 6	— 1	1	3	0	0	2	142
	19	— 1	— 7	— 13	— 13	— 7	1	4	4	— 2	— 3	— 2	1	100
	20	0	6	14	17	6	— 3	— 3	— 3	5	8	6	1	109
	21	— 3	— 2	— 1	— 6	— 3	— 5	— 4	— 6	2	6	7	8	133
	22	3	1	— 6	— 3	— 1	— 2	— 1	0	2	5	3	6	109
	23	— 10	— 1	— 2	— 1	1	— 1	0	0	— 2	— 3	— 3	— 1	75
	24	— 3	— 7	— 1	— 1	— 3	— 2	2	1	2	1	1	2	69
	25	— 1	— 7	— 4	— 5	— 5	— 2	— 1	— 2	— 3	— 3	— 1	3	92
	26	1	14	16	16	10	6	4	— 4	— 2	— 6	— 6	— 5	147
	27	— 2	— 7	— 6	1	4	3	0	— 2	— 2	— 3	— 4	— 5	78
	28	5	1	— 3	— 7	— 10	— 3	— 3	— 2	— 4	— 4	— 3	— 2	106
	29	53	61	47	28	2	— 19	— 9	— 12	— 3	2	— 8	— 10	450
	30	2	— 3	1	— 2	— 1	— 5	0	0	— 2	1	1	— 9	126
	31	6	11	14	14	14	6	— 4	— 2	— 6	— 1	— 5	— 3	128
Hourly Amount.		204	218	228	206	121	108	71	74	90	86	111	107	3267

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	3	3	0	3	0	1	14	19	12	4	— 8	— 17	—
	2	— 12	— 4	— 3	— 5	2	0	5	5	10	2	5	5	—
	3	— 1	— 4	— 2	— 2	3	2	4	2	— 1	1	— 2	— 1	—
	4	— 11	— 3	— 5	— 5	— 6	— 1	15	7	8	6	0	1	—
	5	8	8	7	10	10	5	8	9	10	6	0	— 9	—
	6	— 5	— 4	— 5	— 1	0	4	13	18	15	11	5	— 2	—
	7	2	0	— 2	— 2	— 3	— 9	— 6	— 6	— 1	— 1	2	3	—
	8	— 1	— 1	— 2	1	— 1	3	4	7	3	— 1	— 4	— 6	—
	9	— 4	— 3	— 4	— 10	— 6	— 1	1	5	9	12	11	5	—
	10	— 3	— 6	— 6	— 18	— 16	— 7	— 9	22	9	15	1	— 6	—
	11	— 12	3	2	4	3	12	12	13	13	7	8	— 6	—
	12	— 7	— 24	— 10	— 6	— 7	3	— 11	4	1	— 3	— 2	35	—
	13	8	6	3	3	3	— 5	— 6	— 8	0	5	0	— 6	—
	14	3	1	5	0	1	1	2	— 4	0	— 4	— 1	— 1	—
	15	4	3	6	1	1	— 8	— 9	— 4	2	— 8	— 1	— 5	—
	16	1	0	— 1	1	0	0	— 7	— 9	— 6	— 4	2	5	—
	17	3	7	5	5	5	4	— 2	— 8	— 9	— 11	1	2	—
	18	1	1	— 2	1	3	1	— 2	— 8	— 9	— 7	0	5	—
	19	3	4	2	2	1	0	— 4	— 10	— 6	— 3	— 1	1	—
	20	5	4	1	2	— 1	— 1	— 6	— 10	— 12	— 12	— 2	8	—
	21	5	5	3	6	6	6	4	0	— 1	— 5	— 6	— 11	—
	22	— 1	— 5	0	2	5	1	5	— 1	— 4	— 3	— 6	— 1	—
	23	3	0	1	5	2	0	— 3	— 5	— 4	— 1	5	5	—
	24	1	2	2	8	2	— 5	— 8	— 8	— 12	— 9	— 3	— 2	—
	25	3	2	3	2	5	7	6	2	1	— 2	— 7	— 8	—
	26	2	— 1	— 4	— 4	— 6	— 4	— 4	— 1	2	6	3	4	—
	27	— 1	0	1	— 1	— 2	0	— 8	— 9	— 9	— 3	— 4	— 2	—
	28	1	2	0	0	— 3	2	13	— 12	— 3	6	1	1	—
	29	0	— 1	1	— 5	— 1	— 7	— 6	— 3	— 1	2	— 3	— 6	—
	30	3	4	2	2	— 2	— 4	— 11	— 10	— 11	— 3	4	5	—
Hourly Amount.		117	111	90	117	106	104	208	229	184	163	98	174	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
SEPTEMBER.	1	— 13	— 1	— 3	2	4	1	1	5	— 2	— 1	— 4	— 8	129
	2	0	2	— 9	5	9	— 2	0	2	— 3	— 3	— 1	0	94
	3	— 1	— 2	— 1	2	1	0	— 3	2	0	0	0	— 4	41
	4	— 4	0	— 2	— 2	— 3	— 2	— 6	— 4	— 8	— 4	— 7	6	116
	5	— 21	— 23	— 12	0	3	1	3	0	1	0	— 2	— 5	161
	6	— 12	— 21	— 11	— 6	— 3	1	1	2	3	5	2	2	152
	7	3	5	8	7	4	2	— 1	— 2	— 2	— 3	— 1	— 2	77
	8	— 10	— 6	— 3	2	4	3	1	4	— 1	1	— 1	— 1	71
	9	— 2	— 10	— 7	3	5	11	12	11	7	3	— 7	— 1	150
	10	— 8	— 3	9	12	4	— 15	— 7	— 8	— 6	— 2	— 1	— 9	202
	11	— 3	— 4	— 4	— 1	— 9	8	3	6	8	7	4	— 8	160
	12	5	— 7	— 5	— 2	— 2	— 2	— 6	— 11	— 1	— 1	3	7	165
	13	— 9	— 3	1	1	1	2	— 3	— 1	0	2	3	3	82
	14	— 3	— 2	— 1	— 2	0	1	— 3	— 3	0	— 1	2	8	49
	15	0	4	2	— 1	2	3	6	2	— 1	— 1	0	3	77
	16	7	3	5	2	— 1	— 1	— 2	— 1	— 2	0	— 1	1	62
	17	0	0	1	— 3	1	2	0	3	— 1	1	0	— 1	75
	18	11	8	1	— 7	— 5	— 1	0	0	1	2	3	2	81
	19	2	— 1	0	0	1	1	— 3	— 2	2	3	4	4	60
	20	18	15	6	— 5	— 7	— 3	— 3	— 5	— 3	0	1	2	132
	21	— 1	0	— 7	— 4	— 1	2	1	1	— 1	3	3	— 2	84
	22	7	4	— 2	— 3	— 3	— 2	— 4	— 2	1	1	1	4	68
	23	1	1	1	0	0	— 1	6	4	6	— 1	— 9	1	65
	24	3	1	8	1	1	— 3	— 3	— 3	— 1	1	2	2	91
	25	— 1	— 1	— 4	— 4	— 2	— 1	1	1	0	0	2	1	66
	26	9	11	11	1	1	0	3	4	3	— 1	— 2	— 10	97
	27	4	6	— 1	— 1	1	4	0	— 2	0	2	3	3	67
	28	2	— 3	3	— 6	— 2	3	4	8	3	— 7	— 1	— 7	93
	29	4	14	10	7	— 1	— 4	1	— 7	1	— 6	0	6	97
	30	12	11	2	— 3	— 1	— 3	5	— 3	— 2	4	1	0	108
Hourly Amount.		176	172	140	95	82	85	92	109	70	66	71	113	2972

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	— 5	7	4	3	2	— 2	— 7	— 1	1	2	— 2	8	—
	2	6	— 2	3	7	15	6	9	8	0	14	— 5	— 17	—
	3	13	2	— 2	— 4	0	0	2	— 4	— 4	— 4	9	4	—
	4	8	— 3	0	— 5	1	5	15	8	— 3	5	5	— 10	—
	5	2	2	0	— 3	— 1	— 2	— 8	— 4	— 5	— 1	6	7	—
	6	0	— 3	— 4	— 9	— 10	— 7	— 2	0	4	3	1	1	—
	7	— 9	— 10	— 6	— 8	— 3	— 3	— 7	— 3	— 1	— 1	1	5	—
	8	— 6	— 8	— 9	— 13	— 14	— 11	— 5	— 4	3	3	7	5	—
	9	6	— 1	— 4	5	— 7	— 12	— 8	— 4	— 3	— 5	— 7	— 4	—
	10	14	10	30	31	31	25	18	14	— 1	— 11	— 27	— 26	—
	11	8	4	12	46	12	13	15	7	— 10	— 10	— 15	— 25	—
	12	— 2	9	12	12	12	— 9	— 8	— 8	8	33	13	— 33	—
	13	— 2	— 2	— 1	— 3	— 3	— 4	0	5	5	5	7	7	—
	14	— 1	— 4	— 14	— 13	— 14	— 7	— 8	— 4	— 18	— 7	0	8	—
	15	3	15	0	— 2	— 10	— 6	— 10	— 16	— 15	— 16	— 10	3	—
	16	6	5	7	6	9	11	— 2	— 1	0	3	6	4	—
	17	— 2	0	5	6	— 3	6	3	6	2	0	— 6	— 12	—
	18	1	0	0	— 2	0	0	3	0	1	1	7	6	—
	19	— 6	— 7	— 3	— 5	— 3	— 2	2	0	2	1	3	4	—
	20	— 9	— 9	— 7	— 8	— 8	— 5	— 5	1	5	11	7	— 1	—
	21	— 4	— 3	— 3	— 7	— 6	— 2	— 2	4	7	8	— 1	8	—
	22	— 12	1	— 13	— 14	— 9	— 9	— 8	— 5	— 3	0	6	7	—
	23	— 8	6	— 2	— 4	— 2	— 3	— 6	— 9	— 6	— 10	— 1	7	—
	24	— 6	— 7	3	— 1	2	6	6	3	6	5	7	0	—
	25	8	3	— 3	— 6	— 9	— 5	— 4	— 7	— 4	— 2	5	10	—
	26	— 3	— 2	— 2	— 4	0	5	5	0	6	1	6	11	—
	27	— 11	— 5	5	1	— 1	0	— 2	3	12	0	0	9	—
	28	1	8	6	3	5	7	0	1	— 11	— 34	— 22	6	—
	29	9	— 2	— 7	— 8	16	14	17	5	7	— 10	— 8	— 3	—
	30	8	— 1	— 3	— 3	— 3	— 2	3	3	10	5	— 2	— 4	—
Hourly Amount.		179	141	170	242	211	189	190	138	163	211	202	255	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
SEPTEMBER.	1	— 2	0	4	7	2	— 6	3	— 8	— 2	1	— 5	— 9	93
	2	— 18	— 7	— 9	— 23	— 19	7	— 6	0	2	14	2	9	208
	3	1	4	4	0	6	10	9	8	6	— 1	— 7	— 11	115
	4	— 10	— 13	— 18	— 23	— 19	— 17	5	15	17	10	1	5	221
	5	6	8	2	— 5	— 4	— 6	4	9	6	— 4	— 8	— 9	112
	6	5	10	14	9	9	6	5	9	6	0	— 1	— 2	120
	7	4	7	5	1	3	4	6	7	3	— 2	— 3	— 2	104
	8	7	9	8	7	5	9	11	15	11	7	6	4	187
	9	— 5	6	8	9	9	9	— 1	— 35	— 21	— 26	— 23	12	230
	10	— 15	— 25	— 40	— 49	— 30	— 11	7	11	17	19	32	6	500
	11	— 12	— 11	— 9	— 14	— 11	— 10	3	— 14	— 11	— 5	6	4	287
	12	0	— 1	— 8	— 4	1	7	5	4	— 1	1	— 3	1	195
	13	4	0	0	— 2	1	1	3	5	3	2	— 1	5	71
	14	13	13	4	8	4	7	7	11	8	1	7	— 1	182
	15	9	11	17	26	— 17	— 33	— 32	— 22	— 12	2	2	— 1	290
	16	1	0	— 5	— 2	3	5	8	7	5	— 1	2	0	99
	17	— 6	— 2	— 15	— 5	— 14	— 21	— 4	— 5	6	5	6	10	150
	18	3	0	2	3	0	3	9	9	1	— 2	— 4	— 3	60
	19	3	— 2	0	3	6	3	4	5	2	— 1	— 3	— 5	75
	20	— 7	— 12	— 12	— 2	5	7	8	11	9	5	5	5	164
	21	4	6	4	6	— 2	2	5	8	3	2	— 5	— 1	103
	22	2	4	7	3	9	9	14	16	10	4	3	3	171
	23	8	15	19	11	1	— 8	— 21	— 13	— 33	— 13	8	— 1	215
	24	— 9	— 12	— 18	— 3	5	4	4	9	7	2	— 1	— 2	128
	25	6	3	9	7	8	5	6	10	3	— 3	— 5	— 6	137
	26	0	— 7	3	— 2	7	5	— 13	— 10	— 11	— 20	— 20	9	152
	27	7	3	2	8	2	— 9	1	6	5	2	2	0	96
	28	13	15	24	24	29	20	— 3	— 53	— 45	— 8	— 3	— 2	343
	29	— 13	— 17	— 4	0	5	0	— 20	— 3	14	16	3	— 3	204
	30	— 7	— 6	4	7	8	8	— 18	— 4	0	— 10	12	— 7	138
Hourly Amount.		200	229	278	273	244	252	245	342	280	189	189	138	5150

UNIVERSITY OF ILLINOIS LIBRARY
SEP 1 1921

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
SEPTEMBER.	1	1	— 5	— 3	— 1	— 2	— 1	— 11	— 10	1	9	17	7	—
	2	— 8	— 6	— 14	— 18	— 25	— 18	— 15	— 3	13	12	24	31	—
	3	— 13	— 4	— 3	— 2	— 7	— 8	— 5	3	6	— 2	— 9	0	—
	4	— 5	0	— 3	0	— 4	— 10	— 14	0	7	4	— 1	7	—
	5	1	0	1	0	1	1	1	— 9	— 9	— 7	— 7	— 2	—
	6	— 5	— 3	— 4	— 3	— 4	— 11	— 10	— 5	— 2	3	1	6	—
	7	1	0	— 3	— 2	— 5	— 5	— 14	— 5	0	— 1	1	4	—
	8	12	16	16	13	20	23	14	— 18	— 15	— 7	— 1	— 4	—
	9	— 1	— 1	— 3	— 1	— 3	— 6	— 13	— 1	1	4	8	10	—
	10	— 7	— 6	— 1	— 11	— 8	— 9	0	— 15	— 5	2	11	9	—
	11	3	1	— 6	— 29	— 3	— 5	— 3	5	20	17	15	16	—
	12	6	0	— 2	— 1	— 1	9	12	10	— 6	— 37	— 27	14	—
	13	2	4	7	9	9	13	7	— 5	— 7	— 3	— 1	0	—
	14	2	7	10	11	12	10	7	1	3	— 6	— 8	— 5	—
	15	1	— 7	5	7	11	6	9	15	— 6	7	1	— 1	—
	16	— 5	— 3	— 3	— 2	— 1	1	11	11	6	— 2	— 1	— 3	—
	17	0	— 2	— 5	— 2	— 1	— 5	6	11	11	8	— 5	— 5	—
	18	1	0	0	2	— 2	0	0	5	2	— 1	— 8	— 9	—
	19	1	1	0	1	0	2	5	0	— 12	— 11	— 4	0	—
	20	7	8	5	7	4	5	6	— 5	— 2	— 9	— 10	— 11	—
	21	0	— 2	— 2	1	— 1	— 2	— 3	5	9	8	7	— 3	—
	22	12	3	8	6	1	— 3	— 5	— 8	— 10	— 11	— 5	— 5	—
	23	5	— 1	2	4	5	3	— 1	— 5	— 1	2	— 2	— 3	—
	24	4	4	0	3	0	5	1	0	— 2	— 2	— 8	— 11	—
	25	— 2	0	3	3	1	— 1	0	5	2	2	0	— 3	—
	26	2	2	3	5	3	2	2	— 1	— 7	— 3	— 4	— 11	—
	27	— 3	— 3	— 8	— 5	— 5	0	2	9	3	7	— 1	— 15	—
	28	— 4	— 7	— 9	— 4	— 6	— 7	2	5	9	28	27	5	—
	29	— 10	— 2	5	2	— 3	2	3	5	3	7	1	— 10	—
	30	2	4	5	6	7	11	8	1	— 6	— 10	— 8	— 8	—
Hourly Amount.		126	102	139	161	155	184	190	181	186	232	223	218	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
SEPTEMBER.	1	2	— 15	— 14	— 11	— 3	9	4	7	4	0	1	— 2	140
	2	26	19	15	12	2	— 7	— 4	— 4	— 5	— 10	— 3	— 8	302
	3	10	7	3	2	— 1	— 1	— 1	0	2	3	5	4	101
	4	5	3	11	12	8	5	— 7	— 10	— 7	0	5	3	131
	5	7	1	— 1	1	2	4	0	— 4	— 2	3	4	2	70
	6	14	10	3	4	3	1	0	— 1	— 2	5	6	1	107
	7	7	7	7	5	— 2	— 7	— 8	— 9	— 7	— 2	4	6	112
	8	— 1	— 3	— 6	— 4	— 5	— 7	— 4	— 9	— 5	— 2	0	— 4	209
	9	11	8	1	— 4	— 1	— 2	— 3	17	11	19	13	— 5	147
	10	— 8	— 4	4	15	12	6	— 8	— 5	— 7	— 9	— 14	4	180
	11	— 8	— 6	— 3	2	3	0	— 7	4	5	2	1	5	169
	12	13	14	3	— 3	— 10	— 12	— 6	— 3	— 2	— 3	0	3	197
	13	0	— 5	— 2	— 3	— 3	— 5	— 4	— 6	— 4	— 3	1	— 4	107
	14	— 5	— 5	— 1	— 1	— 2	— 4	— 4	— 8	— 6	— 3	— 6	— 5	132
	15	— 1	0	— 3	— 4	16	20	13	5	— 3	— 11	— 11	— 5	168
	16	— 5	— 10	— 12	— 15	— 8	1	0	0	2	3	1	— 1	107
	17	— 8	— 4	6	— 3	6	9	3	0	— 2	— 2	1	1	106
	18	— 5	— 4	— 1	3	6	— 1	— 3	— 5	2	6	5	3	74
	19	2	5	1	0	2	0	1	— 2	0	2	4	5	61
	20	— 6	1	10	7	— 2	— 3	— 5	— 6	— 4	— 3	— 3	— 5	134
	21	— 12	— 7	— 4	— 7	— 1	1	0	— 1	3	5	8	8	100
	22	8	13	9	7	0	— 5	— 7	— 8	— 4	— 1	2	2	143
	23	— 1	— 7	— 10	— 1	5	8	12	5	13	5	— 2	— 1	104
	24	— 7	— 7	— 1	— 2	— 1	— 3	1	— 1	— 2	0	2	2	69
	25	— 7	— 2	— 2	1	1	— 2	— 3	— 6	— 2	0	0	2	50
	26	— 6	7	10	9	1	0	7	1	5	6	4	— 14	115
	27	— 13	— 1	4	2	2	7	— 2	— 4	— 5	— 3	— 2	— 3	109
	28	3	— 1	— 8	— 14	— 21	— 15	10	40	29	0	— 4	15	273
	29	— 12	— 14	— 18	— 14	— 8	— 2	15	6	— 8	— 5	3	5	163
	30	— 3	2	— 1	0	0	2	11	3	— 1	2	— 14	— 8	123
Hourly Amount.		216	192	174	168	137	149	153	180	154	118	129	136	4003

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	— 1	— 1	— 5	— 3	1	12	14	6	— 1	— 6	— 6	3	—
	2	— 13	— 14	0	— 2	2	4	4	4	0	1	2	4	—
	3	3	3	1	2	3	3	1	— 4	— 8	2	— 10	— 12	—
	4	0	3	5	7	9	7	7	— 2	— 3	— 15	— 12	— 7	—
	5	5	5	3	7	10	13	10	— 3	— 12	— 18	— 10	— 1	—
	6	— 1	0	0	1	1	4	11	— 2	— 2	— 4	1	0	—
	7	3	2	2	1	— 1	— 4	— 6	— 5	0	6	6	— 6	—
	8	— 4	— 2	— 6	— 3	— 4	1	4	1	4	4	— 1	— 2	—
	9	0	1	1	— 2	3	13	4	2	0	— 8	— 11	— 3	—
	10	— 1	— 3	— 2	0	— 1	0	4	1	— 5	— 1	— 2	1	—
	11	5	3	3	2	0	— 4	— 4	— 2	— 4	— 7	— 3	— 5	—
	12	5	5	— 1	— 1	— 2	— 6	1	7	2	— 7	— 10	— 15	—
	13	1	1	1	8	13	14	11	3	— 3	0	— 15	— 15	—
	14	0	0	6	— 3	— 3	— 2	— 5	— 1	1	5	3	5	—
	15	2	3	1	0	— 1	4	— 7	— 5	— 2	— 1	— 2	— 1	—
	16	1	1	1	— 1	— 2	— 2	— 4	— 5	— 1	0	5	10	—
	17	0	2	0	2	0	0	— 2	— 2	— 1	— 4	— 3	6	—
	18	2	0	0	1	— 2	— 2	— 3	0	3	— 1	— 2	1	—
	19	— 2	— 4	— 2	0	— 1	— 5	— 9	— 2	7	7	1	6	—
	20	— 1	— 1	0	2	4	3	— 8	— 1	1	— 3	0	7	—
	21	4	1	2	7	— 1	— 12	— 10	— 3	— 1	4	10	9	—
	22	3	2	3	2	1	— 2	— 4	— 9	— 6	— 1	2	4	—
	23	8	6	5	5	1	— 7	— 2	6	2	— 8	— 8	— 10	—
	24	— 4	— 7	— 9	— 15	— 8	8	11	7	8	11	6	— 2	—
	25	— 2	8	5	— 5	— 5	3	0	2	3	— 1	6	— 4	—
	26	— 9	— 9	— 10	— 7	— 6	— 6	9	12	13	18	22	17	—
	27	— 1	— 4	— 4	— 3	— 1	— 4	— 1	4	2	— 3	— 4	— 3	—
	28	— 2	— 2	— 2	— 2	— 4	— 8	— 3	1	— 2	6	5	2	—
	29	0	0	3	2	0	1	— 5	— 7	— 3	1	8	2	—
	30	— 1	0	— 1	— 5	— 6	— 17	— 8	2	5	11	12	0	—
	31	— 2	— 6	— 7	— 4	— 1	— 12	— 10	— 1	10	13	13	11	—
Hourly Amount.		86	99	91	105	97	183	182	112	115	177	201	174	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	— 6	0	2	7	1	0	0	5	— 3	0	— 1	— 6	90
	2	3	3	— 3	3	2	1	1	3	0	0	— 1	3	73
	3	— 12	— 6	4	6	3	2	3	3	2	3	3	2	101
	4	— 3	— 6	— 5	— 3	— 4	— 1	— 3	0	4	5	5	6	122
	5	0	3	1	— 5	— 6	— 3	— 2	2	1	0	1	— 2	123
	6	3	8	4	— 1	— 5	— 4	— 3	— 1	— 3	— 3	— 3	2	67
	7	— 3	5	9	9	4	— 6	2	4	0	0	0	— 2	86
	8	— 2	— 3	4	2	4	1	0	— 2	5	— 8	— 2	1	70
	9	— 2	— 4	— 1	— 6	— 3	2	— 2	0	3	4	3	2	80
	10	3	2	2	5	9	— 3	1	— 2	0	1	4	2	55
	11	— 4	— 4	— 2	— 3	— 4	3	2	4	5	6	8	2	89
	12	— 13	— 4	2	2	9	0	0	1	1	2	2	— 8	106
	13	— 9	— 12	— 11	2	4	2	— 1	2	2	2	1	3	136
	14	7	0	— 3	— 7	— 3	2	1	4	4	2	1	0	68
	15	2	0	— 5	— 8	— 4	2	3	1	2	3	2	1	62
	16	11	12	5	— 2	— 7	— 3	— 2	— 1	— 2	— 1	0	— 1	80
	17	6	7	0	— 2	— 1	— 2	— 3	— 2	— 1	— 1	— 3	1	51
	18	8	8	5	1	— 2	— 3	— 3	— 2	0	0	— 1	— 1	51
	19	9	2	3	3	— 3	— 3	— 4	— 5	— 1	— 1	— 1	0	81
	20	4	8	1	— 4	— 7	1	— 2	— 5	— 2	— 2	— 4	1	72
	21	5	3	2	— 1	0	— 3	— 3	— 4	— 2	1	0	2	90
	22	— 1	— 4	— 5	— 2	— 1	1	3	1	4	2	5	7	75
	23	— 11	— 8	— 8	— 3	6	9	4	8	— 3	1	2	— 1	132
	24	3	— 4	— 4	— 6	4	2	4	— 2	— 11	— 9	3	— 2	150
	25	— 7	— 7	0	5	4	4	3	— 2	— 4	— 1	— 3	— 3	87
	26	— 1	— 2	— 3	0	— 2	5	— 1	— 4	— 2	0	— 7	— 2	167
	27	— 1	— 1	1	2	3	3	4	5	1	2	— 2	— 1	60
	28	5	5	4	2	— 2	2	— 2	— 3	— 2	0	— 3	— 2	71
	29	— 2	1	— 1	1	3	1	3	0	2	0	— 3	— 2	51
	30	3	3	9	6	0	— 3	— 2	— 2	0	0	— 1	0	97
	31	7	— 3	— 3	— 2	— 2	— 1	— 1	— 4	— 2	— 3	— 3	1	122
Hourly Amount.		156	138	112	141	112	78	68	84	74	63	78	69	2765

HORIZONTAL FORCE. A.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	5	3	3	— 2	— 2	— 3	16	10	2	7	3	5	—
	2	2	6	— 5	7	4	6	7	7	15	9	— 4	— 7	—
	3	6	4	— 2	— 1	1	0	0	4	8	— 4	3	— 3	—
	4	7	0	— 3	1	1	3	2	5	— 3	0	— 6	— 3	—
	5	5	0	— 4	— 7	— 1	— 3	— 3	— 2	— 4	— 3	— 4	— 1	—
	6	0	0	— 2	— 4	— 2	— 2	— 2	0	1	1	2	4	—
	7	— 3	— 3	1	— 3	— 3	— 4	— 11	— 14	— 11	— 3	4	7	—
	8	— 8	— 5	— 5	— 4	— 4	— 2	— 6	— 6	— 6	11	14	1	—
	9	— 31	— 18	20	— 2	— 19	— 12	2	4	— 2	3	0	— 8	—
	10	13	5	— 4	0	4	2	12	13	8	— 10	— 4	— 4	—
	11	2	6	10	12	8	5	— 1	— 6	— 1	3	3	4	—
	12	3	3	3	— 8	— 7	— 5	— 3	— 8	— 10	— 5	— 2	4	—
	13	— 10	— 2	1	5	4	11	6	5	11	— 7	4	— 3	—
	14	1	— 3	— 9	3	1	1	— 2	— 8	— 5	— 1	3	3	—
	15	— 4	— 8	— 6	0	0	— 5	— 1	1	3	6	9	— 3	—
	16	— 3	— 4	— 6	— 5	— 3	— 4	— 4	— 1	0	3	8	6	—
	17	— 2	— 5	— 4	— 6	— 8	— 8	— 5	0	0	— 2	2	2	—
	18	— 5	— 5	— 6	— 5	— 6	— 6	— 12	— 13	— 12	— 7	6	15	—
	19	— 2	— 1	— 1	5	11	6	18	11	— 14	— 19	— 7	— 6	—
	20	4	— 4	2	5	5	3	— 3	1	— 1	— 4	3	13	—
	21	— 3	— 1	— 7	0	1	5	5	5	0	0	— 2	3	—
	22	0	— 3	— 8	— 6	— 4	— 2	— 4	3	3	3	— 7	— 5	—
	23	— 2	— 1	— 3	— 3	— 1	9	1	— 8	— 3	11	1	— 7	—
	24	7	12	1	3	3	6	— 5	2	0	— 8	— 2	3	—
	25	— 4	3	4	14	10	2	— 2	6	18	17	— 11	— 19	—
	26	3	— 1	5	4	6	6	2	0	— 2	11	— 1	— 5	—
	27	— 4	16	5	— 1	5	— 1	— 3	— 6	0	0	0	1	—
	28	7	2	9	1	2	1	2	1	7	— 3	— 1	0	—
	29	2	2	16	2	0	0	3	2	1	— 4	— 15	— 7	—
	30	9	— 1	2	0	— 3	— 5	— 6	— 7	— 5	— 4	0	12	—
	31	7	5	— 5	— 3	1	— 1	— 2	2	0	4	3	2	—
Hourly Amount.		164	132	162	122	130	129	151	161	156	173	134	166	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	— 9	— 4	— 1	1	0	1	— 5	— 2	0	— 8	— 5	13	110
	2	— 17	— 28	— 17	— 23	— 16	— 5	4	6	1	9	5	1	211
	3	5	3	0	1	0	— 8	— 8	— 1	2	2	3	0	69
	4	4	2	— 5	0	5	3	3	2	5	2	0	— 5	70
	5	10	9	2	1	1	— 5	— 4	— 3	— 1	0	0	0	73
	6	5	2	4	5	9	6	4	1	4	0	1	— 6	67
	7	14	9	8	6	8	15	1	— 13	— 2	7	— 8	— 12	170
	8	6	— 2	— 8	— 1	9	9	10	30	16	21	16	— 6	206
	9	— 16	— 24	— 15	— 8	2	8	11	16	3	3	4	1	232
	10	— 16	— 2	— 5	— 18	— 33	— 22	— 10	— 1	— 6	0	3	2	197
	11	8	7	5	1	2	1	0	— 1	— 6	— 5	2	2	101
	12	14	16	11	18	16	1	— 13	— 8	— 5	— 4	1	— 10	178
	13	— 21	— 12	— 6	— 10	— 4	5	5	1	3	1	— 1	0	138
	14	6	7	8	6	8	8	2	2	— 1	— 6	— 1	— 2	97
	15	— 4	0	— 2	— 2	0	5	4	3	0	— 1	0	— 4	71
	16	2	— 2	0	3	6	5	2	3	0	— 2	— 3	— 3	78
	17	4	1	1	2	4	9	6	8	3	1	— 2	— 5	90
	18	13	13	13	11	5	4	16	5	0	0	— 2	— 2	182
	19	7	7	— 1	— 4	— 8	— 11	— 7	2	4	— 9	— 1	8	170
	20	0	— 4	— 11	0	— 4	— 23	1	— 1	— 4	11	6	— 5	118
	21	— 3	— 6	— 4	3	6	2	— 1	— 1	0	1	2	— 3	64
	22	— 1	2	5	4	5	1	2	1	— 3	6	— 5	— 6	89
	23	14	16	7	8	4	0	7	— 4	— 4	— 7	2	1	124
	24	— 14	— 10	— 5	6	— 18	— 3	— 6	— 2	35	0	— 28	— 3	182
	25	— 16	— 13	— 6	— 13	3	2	0	— 8	— 1	— 5	1	17	195
	26	— 14	— 1	3	— 6	— 6	— 2	— 5	— 8	— 11	— 11	28	9	150
	27	1	— 2	— 2	5	— 2	— 6	— 7	— 13	0	— 1	5	10	96
	28	— 2	— 1	— 1	— 6	5	0	0	1	— 12	— 15	— 7	— 2	88
	29	7	2	7	3	— 7	— 5	— 11	— 20	— 8	23	3	3	153
	30	7	7	— 1	— 1	— 2	5	1	4	— 10	— 17	— 10	3	122
	31	8	4	10	8	6	2	— 9	— 10	— 4	— 2	— 6	4	108
Hourly Amount.		268	218	174	184	204	182	165	181	154	180	161	148	3999

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
OCTOBER.	1	— 16	— 14	— 15	— 12	— 10	— 10	2	10	27	25	27	12	—
	2	3	3	5	— 1	2	— 2	— 6	— 16	— 18	— 8	4	7	—
	3	2	1	4	5	1	4	0	— 5	— 5	— 3	— 2	2	—
	4	— 1	1	2	2	3	5	7	2	7	— 1	0	— 2	—
	5	— 1	1	4	5	4	2	2	19	17	9	2	— 8	—
	6	2	2	2	4	0	— 2	— 6	— 9	— 4	— 1	— 4	— 3	—
	7	1	1	— 2	— 1	— 1	— 2	— 3	2	— 1	— 1	5	3	—
	8	7	3	4	1	2	0	9	13	15	4	— 1	— 1	—
	9	26	17	— 6	7	14	5	— 4	— 3	— 4	— 4	0	3	—
	10	2	5	6	4	— 1	— 6	— 16	— 12	— 8	— 3	— 2	5	—
	11	— 3	— 7	— 6	— 5	0	4	7	1	1	— 4	— 8	— 3	—
	12	— 1	1	1	8	5	1	2	— 1	4	5	7	2	—
	13	2	— 2	— 7	— 11	— 11	— 12	1	9	4	10	6	2	—
	14	— 1	2	6	— 2	— 1	— 2	— 5	— 8	— 10	— 10	— 6	1	—
	15	1	4	3	— 1	0	3	1	— 6	— 6	— 4	— 7	3	—
	16	0	0	2	2	2	1	— 3	— 7	— 7	— 6	— 12	— 8	—
	17	— 3	— 2	— 1	— 1	1	4	5	3	3	1	— 5	— 5	—
	18	1	1	1	2	0	3	8	3	7	7	— 4	— 11	—
	19	— 5	— 4	— 5	— 3	— 11	— 3	— 8	3	16	19	7	2	—
	20	— 3	3	1	— 2	— 4	— 4	7	1	3	0	— 2	— 10	—
	21	5	2	5	1	0	5	5	3	1	— 2	— 4	— 12	—
	22	0	2	5	4	3	5	8	3	0	— 2	— 5	0	—
	23	0	— 1	1	1	0	— 7	0	10	8	2	— 4	1	—
	24	— 3	— 4	3	— 1	1	— 3	0	2	— 4	3	— 2	— 2	—
	25	1	— 2	0	— 4	— 1	2	3	2	— 3	— 3	5	8	—
	26	— 1	4	0	— 4	— 5	— 8	— 9	— 6	— 8	— 8	3	10	—
	27	— 1	— 8	0	2	0	5	4	7	8	2	1	— 4	—
	28	— 8	— 3	— 7	— 4	0	— 1	— 4	10	3	— 1	0	2	—
	29	— 2	— 4	— 12	— 3	— 1	0	3	— 2	— 7	— 3	— 1	7	—
	30	— 4	1	2	3	7	10	— 4	— 15	— 12	— 7	7	2	—
	31	— 5	— 2	4	4	— 3	4	— 8	— 21	— 20	— 16	0	7	—
	Hourly Amount.	111	107	122	110	94	125	150	214	241	174	143	148	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
OCTOBER.	1	0	— 6	— 10	— 9	— 5	— 3	1	1	2	9	9	— 1	236
	2	3	6	— 2	0	3	4	— 5	— 5	1	1	— 2	3	110
	3	2	1	— 5	— 2	0	4	6	— 1	0	2	— 2	2	61
	4	— 7	— 10	— 4	— 9	— 10	— 8	— 4	— 4	— 3	— 2	— 1	4	99
	5	— 12	— 9	— 2	— 3	0	3	0	2	2	1	— 1	1	110
	6	— 2	1	6	4	1	0	— 1	— 1	— 4	1	— 2	0	62
	7	— 3	— 10	— 8	— 3	— 2	— 3	1	8	0	— 5	3	6	75
	8	— 8	— 14	— 12	— 10	— 13	— 11	— 11	— 17	— 5	— 1	0	14	176
	9	7	7	0	— 2	— 5	— 8	— 8	— 10	— 1	1	2	4	148
	10	9	4	8	16	23	20	6	— 1	— 2	— 7	— 5	— 4	175
	11	— 4	— 5	— 2	4	5	2	0	— 1	1	— 1	— 5	— 2	81
	12	— 5	— 13	— 11	— 12	— 5	7	12	8	0	— 3	— 8	0	122
	13	10	6	6	4	4	— 2	— 2	0	0	0	4	1	116
	14	1	3	2	3	1	— 1	2	2	1	3	1	0	74
	15	6	7	8	3	1	— 4	— 3	— 1	2	0	1	1	76
	16	2	9	8	9	5	— 1	— 1	— 1	— 2	— 2	— 2	— 4	96
	17	— 1	6	2	— 1	— 2	— 4	— 2	— 3	0	2	2	5	64
	18	— 6	— 3	— 3	— 1	4	0	— 7	— 3	— 1	— 1	— 1	— 5	83
	19	— 6	— 9	— 3	2	3	7	3	— 1	— 3	5	6	— 1	135
	20	— 2	3	10	3	2	6	— 5	— 2	— 1	— 10	0	4	88
	21	— 4	4	3	— 5	— 8	— 4	— 2	0	— 2	— 1	1	0	79
	22	2	— 1	— 6	— 4	— 5	— 4	— 2	— 1	0	— 3	2	2	69
	23	— 8	— 8	— 3	1	3	— 1	— 3	1	5	5	— 1	— 3	77
	24	8	9	4	— 1	5	— 3	1	1	— 16	3	18	0	97
	25	6	— 3	— 13	— 5	— 10	— 6	— 3	4	2	3	1	— 7	97
	26	16	9	9	12	9	2	4	5	4	1	— 17	— 8	162
	27	— 13	— 6	— 1	— 4	— 1	5	6	5	0	— 3	— 5	— 3	94
	28	— 4	2	2	4	— 6	— 1	1	0	10	8	4	— 1	86
	29	7	12	6	5	7	3	6	10	3	— 15	— 1	2	122
	30	7	6	5	— 1	— 2	— 5	— 3	— 2	7	10	4	— 6	132
	31	10	13	9	3	— 3	0	8	8	3	— 2	0	— 5	158
	Hourly Amount.	181	205	173	145	153	132	119	109	83	111	111	99	3360

EASTERLY DECLINATION. D.

DEVIATIONS — UNITY = 0'.1.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	2	— 3	— 3	— 3	— 3	— 8	— 6	2	12	16	18	19	—
	2	1	2	2	1	1	3	6	3	— 3	— 5	— 8	0	—
	3	4	5	4	5	6	11	0	— 11	— 16	— 14	— 7	— 4	—
	4	— 1	— 1	0	— 1	1	13	13	1	— 5	— 11	— 7	1	—
	5	— 2	0	— 2	— 1	— 4	— 3	0	3	6	6	7	7	—
	6	— 1	— 2	— 2	— 2	1	0	— 2	— 1	1	0	— 2	— 1	—
	7	2	0	0	1	1	— 1	— 6	— 3	— 6	3	1	1	—
	8	2	3	3	1	4	3	— 1	— 5	— 10	— 6	— 4	— 5	—
	9	— 1	— 2	— 1	0	— 1	8	16	3	— 3	— 3	— 5	0	—
	10	— 3	— 2	0	1	3	7	7	4	2	— 7	— 11	— 10	—
	11	4	5	— 1	0	1	7	2	0	0	— 11	— 7	— 12	—
	12	0	2	4	5	2	1	— 4	— 6	— 7	— 4	1	— 2	—
	13	0	— 1	4	2	2	0	— 4	2	— 2	1	— 3	1	—
	14	10	8	9	1	6	8	— 2	— 8	— 13	— 8	— 14	— 10	—
	15	1	10	4	2	— 3	— 6	— 7	— 5	2	— 3	0	— 1	—
	16	2	1	1	— 1	4	1	— 5	— 5	— 4	— 1	9	7	—
	17	3	3	4	5	3	— 3	— 1	— 3	— 2	— 2	0	— 4	—
	18	— 1	1	3	0	— 1	— 7	— 4	1	2	7	11	4	—
	19	1	2	3	0	0	— 4	— 3	1	0	— 3	— 3	— 1	—
	20	— 3	— 4	— 9	— 7	— 8	— 2	— 3	9	18	20	17	16	—
	21	0	— 8	— 3	3	— 1	— 12	— 2	6	10	0	— 13	— 17	—
	22	0	0	— 3	— 8	— 3	— 3	7	4	3	0	— 6	3	—
	23	— 3	— 4	1	2	— 2	— 1	0	— 1	— 3	— 3	2	— 5	—
	24	— 1	0	0	— 1	— 1	— 1	4	5	4	5	3	3	—
	25	— 2	— 1	0	— 1	0	— 1	0	— 1	1	0	2	— 5	—
	26	— 2	— 4	— 1	2	— 1	— 4	5	2	3	3	2	0	—
	27	— 7	— 4	— 4	— 3	— 4	— 5	— 3	7	9	7	3	— 4	—
	28	— 7	— 2	— 3	— 1	0	1	1	7	3	2	5	2	—
	29	2	— 1	0	— 2	1	7	— 2	— 4	— 4	0	0	— 1	—
	30	— 2	— 4	— 2	— 2	0	— 3	— 2	— 3	2	10	9	9	—
Hourly Amount.		70	85	76	64	68	134	118	116	156	161	180	155	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
NOVEMBER.	1	12	4	— 7	— 10	— 11	— 7	— 9	— 9	— 6	— 4	— 1	3	178
	2	4	9	7	2	— 2	— 3	— 3	— 4	— 2	2	2	4	79
	3	— 3	1	6	4	2	— 2	— 2	— 3	— 1	— 2	1	2	116
	4	4	3	0	1	— 3	0	0	— 1	0	— 1	— 2	— 2	72
	5	7	2	— 5	0	2	— 2	0	— 3	— 3	— 3	— 2	— 1	71
	6	5	5	2	1	— 2	— 4	— 3	— 1	0	1	1	3	43
	7	— 1	0	— 1	1	— 2	— 1	0	0	3	2	4	4	44
	8	1	0	— 4	— 4	— 2	0	2	1	0	— 2	0	0	63
	9	5	11	12	6	— 1	— 5	— 5	— 6	— 4	— 3	— 3	— 3	107
	10	— 6	— 2	5	3	2	2	2	2	3	2	3	4	93
	11	— 14	— 8	— 2	4	0	1	4	5	3	4	4	0	99
	12	5	0	— 2	0	1	0	0	0	1	2	1	0	50
	13	— 1	0	— 7	— 8	— 4	— 2	1	3	5	7	8	8	76
	14	— 11	— 10	— 7	— 1	5	6	4	5	3	6	2	4	161
	15	— 5	— 7	— 2	— 1	4	5	2	1	— 1	— 2	— 3	— 2	79
	16	2	0	— 4	— 4	— 5	1	2	2	2	2	0	3	68
	17	— 2	— 5	— 1	— 1	— 1	3	— 1	— 3	— 3	5	4	— 8	70
	18	0	— 3	— 1	— 3	— 5	— 1	0	0	0	1	— 1	0	57
	19	— 3	— 6	— 3	1	— 3	— 2	1	3	2	2	0	2	49
	20	13	9	— 1	— 5	— 6	— 2	— 2	— 1	— 7	— 11	— 7	— 1	181
	21	— 13	— 1	2	4	20	3	— 8	7	5	1	1	2	142
	22	0	5	— 2	— 3	— 2	3	1	— 4	1	— 1	0	— 2	64
	23	— 5	— 2	1	3	3	0	2	0	1	— 1	— 5	— 4	54
	24	2	4	6	2	1	0	0	— 3	— 1	— 3	— 3	— 4	57
	25	— 3	— 2	5	3	— 2	— 1	5	3	0	1	3	0	42
	26	— 3	0	0	4	5	7	— 1	0	0	0	— 3	— 2	54
	27	— 2	— 2	1	4	4	1	3	2	— 6	0	— 4	— 5	94
	28	— 3	— 8	— 6	0	1	1	5	3	— 1	4	5	— 3	74
	29	— 1	1	4	3	— 3	— 1	0	2	3	— 1	0	— 1	44
	30	5	— 1	— 2	— 4	— 5	— 3	0	3	3	— 1	— 3	— 1	79
Hourly Amount.		141	111	108	90	109	69	68	80	70	77	76	78	2460

HORIZONTAL FORCE. D.

DEVIATIONS — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	— 4	— 5	— 5	— 1	— 1	— 3	— 9	— 7	4	13	6	7	—
	2	— 6	— 6	— 2	— 4	— 4	— 5	— 6	— 5	— 2	1	10	8	—
	3	— 3	— 4	— 4	— 3	— 4	— 6	— 7	— 3	0	— 1	0	6	—
	4	— 2	— 3	— 4	— 5	— 7	— 7	— 3	1	— 1	0	6	7	—
	5	— 6	— 12	— 1	— 8	— 5	— 8	— 6	2	— 1	4	— 3	— 4	—
	6	— 4	0	5	— 2	0	1	1	1	— 1	0	2	6	—
	7	— 2	— 2	0	1	5	4	5	13	15	10	1	— 7	—
	8	— 4	— 3	— 4	— 1	— 2	— 5	— 11	— 3	7	5	— 1	— 2	—
	9	— 7	— 7	— 3	0	0	— 3	0	8	6	1	0	— 2	—
	10	— 3	— 2	— 3	— 6	— 2	— 6	— 7	2	— 2	— 6	— 9	— 9	—
	11	— 10	— 21	— 15	— 11	— 6	— 5	— 3	— 14	— 10	— 2	— 11	— 3	—
	12	0	1	3	1	1	— 2	0	1	1	2	— 1	0	—
	13	4	2	0	4	4	1	— 2	— 9	1	2	8	6	—
	14	— 1	— 6	— 6	— 2	2	— 2	— 4	— 8	— 3	— 7	2	1	—
	15	— 1	3	— 1	— 3	2	7	12	3	— 10	3	1	— 10	—
	16	— 1	6	4	0	2	5	5	3	4	— 8	0	2	—
	17	— 4	34	7	— 3	3	0	— 3	1	— 8	0	— 6	— 5	—
	18	— 16	— 10	— 4	0	2	1	1	1	7	9	0	— 4	—
	19	— 4	— 3	1	— 2	— 4	— 3	— 1	2	4	2	0	2	—
	20	— 1	1	14	11	13	56	62	25	5	— 9	— 14	— 21	—
	21	28	41	15	13	10	4	— 5	16	— 11	— 16	— 7	1	—
	22	39	15	0	8	— 2	— 1	4	— 5	— 4	— 5	2	— 5	—
	23	21	— 3	— 2	1	3	— 1	— 2	— 4	— 2	— 2	— 4	— 3	—
	24	0	— 1	— 3	— 1	1	4	0	— 3	— 2	— 3	3	9	—
	25	— 3	0	— 1	— 4	— 6	— 6	— 8	— 5	— 1	2	0	8	—
	26	— 3	— 1	18	4	2	— 3	— 9	— 7	— 7	— 6	8	3	—
	27	— 1	— 3	— 3	0	3	— 8	— 6	— 6	— 8	— 5	2	4	—
	28	0	— 8	— 5	7	— 1	— 1	6	2	5	5	— 4	— 3	—
	29	1	5	5	9	2	— 2	— 3	1	3	3	0	— 1	—
	30	— 1	— 2	0	2	— 2	— 3	— 2	1	2	4	6	6	—
Hourly Amount.		180	210	138	117	101	163	193	162	137	136	117	155	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
NOVEMBER.	1	8	4	0	— 6	— 4	2	2	4	4	4	2	— 1	106
	2	11	2	— 3	— 1	3	7	1	2	— 1	4	1	— 4	99
	3	18	6	— 3	— 12	— 4	0	1	2	4	8	— 2	— 1	102
	4	8	6	7	5	0	— 2	— 1	8	6	6	4	— 4	103
	5	— 1	7	10	4	— 5	— 7	— 8	— 4	— 9	— 6	— 3	— 2	126
	6	— 1	1	2	— 1	1	— 3	— 1	1	— 2	— 1	— 2	— 3	42
	7	— 5	0	0	— 6	— 5	— 3	— 1	1	2	4	— 1	— 4	97
	8	— 3	3	7	11	6	12	11	4	— 10	— 19	— 4	— 2	140
	9	0	3	1	0	1	— 2	1	8	3	3	— 3	— 2	64
	10	1	15	26	23	18	18	16	20	1	0	— 13	— 14	222
	11	8	9	11	13	8	6	0	— 3	— 3	0	0	— 1	173
	12	— 5	1	3	2	0	1	— 3	0	0	0	6	0	34
	13	— 4	— 11	— 6	— 6	— 1	3	4	1	— 4	1	— 1	— 5	90
	14	3	9	14	20	14	11	10	— 17	— 1	— 4	— 4	— 3	154
	15	— 20	— 8	2	5	1	6	— 9	— 21	13	— 4	2	— 2	149
	16	1	2	— 5	1	— 1	— 6	— 1	1	— 1	— 3	5	1	68
	17	— 2	2	— 1	— 1	3	6	9	21	— 16	— 32	— 3	3	173
	18	— 1	— 3	0	2	6	9	1	3	3	— 9	— 2	— 7	101
	19	0	— 4	— 9	— 1	7	7	4	8	7	12	7	4	98
	20	— 24	— 33	— 40	— 38	— 41	— 31	— 33	— 15	— 4	16	— 3	29	539
	21	— 16	— 13	— 5	— 2	— 16	— 15	17	— 5	— 15	— 4	10	9	294
	22	— 11	— 24	— 14	— 8	2	— 3	— 1	— 7	9	11	16	3	199
	23	2	3	2	— 3	0	2	— 4	2	— 5	— 8	— 3	7	89
	24	10	7	1	0	— 1	— 1	0	0	— 6	— 6	2	— 2	66
	25	10	7	2	1	10	3	— 2	— 1	5	6	— 3	— 5	99
	26	8	4	0	— 3	— 5	— 12	— 3	0	6	5	— 4	— 5	126
	27	7	7	9	7	12	3	— 5	— 3	11	— 3	— 12	— 6	134
	28	— 6	— 3	— 5	— 5	— 10	— 8	— 11	— 4	14	3	6	14	136
	29	— 3	— 2	— 2	— 2	3	— 1	1	— 7	— 8	— 1	— 4	— 4	73
	30	3	0	— 1	— 2	— 2	2	1	3	— 3	6	— 1	— 4	59
Hourly Amount.		200	199	191	191	190	192	162	176	176	189	129	151	3955

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
NOVEMBER.	1	— 1	0	1	— 2	0	2	— 4	— 8	— 9	— 17	— 15	— 7	—
	2	1	1	1	2	5	3	4	6	3	— 3	— 15	— 17	—
	3	1	0	1	2	4	5	12	13	12	1	2	1	—
	4	2	1	— 1	0	0	— 5	2	4	7	— 1	— 12	— 13	—
	5	6	6	0	3	2	— 2	— 6	— 17	— 12	— 12	— 1	5	—
	6	— 2	— 4	— 4	— 2	— 1	0	0	2	6	5	— 4	— 10	—
	7	8	10	10	12	14	12	11	— 29	— 17	— 9	7	17	—
	8	2	0	— 1	— 3	— 3	— 4	— 2	8	— 1	— 5	— 6	— 4	—
	9	— 2	— 2	— 2	— 4	— 5	— 5	10	12	10	3	— 10	— 8	—
	10	1	1	2	2	1	3	4	0	7	8	7	3	—
	11	3	8	7	1	— 5	— 4	5	9	8	4	9	6	—
	12	0	1	— 2	3	3	9	11	11	8	8	5	— 3	—
	13	— 1	0	1	1	2	6	11	11	4	— 5	— 7	— 5	—
	14	— 1	3	4	1	1	1	3	18	18	8	1	— 2	—
	15	— 2	— 5	— 1	0	— 2	— 2	— 1	10	14	— 3	— 1	6	—
	16	0	— 5	— 2	— 2	0	3	1	8	— 2	— 2	— 8	— 5	—
	17	4	— 14	— 1	6	0	3	1	— 6	— 3	1	6	4	—
	18	6	3	— 2	— 5	— 3	— 1	— 5	— 5	— 5	— 7	— 6	1	—
	19	3	4	1	0	2	1	— 4	— 9	— 2	5	0	— 3	—
	20	5	3	— 4	— 5	— 6	— 27	— 44	— 23	— 15	— 1	13	9	—
	21	— 9	— 15	0	1	2	1	— 2	— 6	— 1	4	7	— 7	—
	22	— 10	— 1	7	4	2	1	— 5	4	— 5	— 4	— 3	— 2	—
	23	— 7	6	5	3	3	2	4	0	4	15	8	2	—
	24	3	5	6	5	5	— 2	— 7	— 24	— 22	— 9	— 4	3	—
	25	— 8	— 10	— 11	— 9	— 7	— 8	— 1	11	6	5	10	11	—
	26	4	1	— 8	— 2	0	8	10	— 3	0	2	— 4	1	—
	27	0	2	2	0	— 1	1	— 6	0	— 2	— 2	3	— 2	—
	28	— 5	— 5	— 7	— 16	— 11	— 8	— 6	14	8	13	17	8	—
	29	1	1	4	1	8	13	14	— 8	— 12	— 7	1	— 1	—
	30	— 5	— 4	— 9	— 11	— 10	— 10	— 10	— 7	— 5	1	6	8	—
Hourly Amount.		103	121	107	108	108	152	206	286	228	170	198	174	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
NOVEMBER.	1	11	19	18	14	6	— 2	— 3	— 2	— 2	— 5	— 1	0	149
	2	— 8	2	7	4	0	— 3	0	1	0	— 4	— 2	1	93
	3	— 10	— 14	— 13	— 6	— 6	— 3	— 1	— 2	— 2	— 3	0	2	116
	4	— 5	8	13	11	8	0	1	— 4	— 3	— 2	0	2	105
	5	5	6	7	5	7	9	7	5	6	2	0	— 2	133
	6	— 2	— 1	— 2	— 2	— 6	— 7	— 3	— 6	— 3	— 2	3	8	85
	7	11	— 2	— 8	— 7	— 10	— 6	— 4	— 6	— 5	— 7	— 4	0	226
	8	0	3	5	3	1	— 2	— 2	0	9	14	3	0	81
	9	— 8	— 5	— 3	1	7	4	0	— 5	— 3	0	3	0	112
	10	1	— 11	— 21	— 21	— 13	— 7	— 6	— 6	4	2	6	7	144
	11	— 4	— 7	— 11	— 10	— 1	— 1	— 2	— 1	0	— 3	— 2	3	114
	12	— 3	— 7	— 11	— 9	— 4	— 2	— 1	— 2	— 3	— 3	— 4	— 1	114
	13	— 1	0	2	— 3	— 5	— 7	— 7	— 6	— 5	— 6	— 5	— 1	102
	14	— 5	— 9	— 11	— 14	— 9	— 6	— 3	12	7	2	5	1	145
	15	4	— 4	— 7	— 10	— 6	— 6	8	12	— 2	6	0	0	112
	16	— 1	1	1	0	— 1	2	1	1	2	4	1	4	57
	17	— 4	0	— 5	— 3	— 4	— 8	— 4	— 8	14	22	7	— 6	134
	18	5	0	3	2	— 1	— 4	0	0	1	6	3	6	80
	19	— 2	— 4	— 1	— 2	1	— 2	— 2	0	— 1	— 3	0	2	54
	20	10	24	33	28	27	20	18	2	— 3	— 14	4	— 13	351
	21	— 10	— 10	— 11	— 5	2	9	— 6	4	10	7	— 9	— 3	141
	22	1	5	6	6	0	0	— 1	6	— 4	— 5	— 7	2	91
	23	— 6	— 10	— 9	— 6	— 7	— 4	0	1	4	10	9	4	129
	24	8	4	9	11	6	4	2	1	1	— 2	— 8	— 8	159
	25	5	— 5	— 4	1	3	2	3	1	— 2	— 3	1	3	130
	26	— 6	— 1	3	0	2	7	1	— 2	— 6	— 5	0	2	78
	27	— 9	— 4	— 3	0	— 1	7	7	4	— 5	— 1	2	— 5	69
	28	8	4	2	0	6	6	4	2	— 8	— 3	— 2	— 4	167
	29	— 1	0	0	— 1	— 1	— 2	0	3	1	— 4	— 5	— 7	96
	30	15	16	14	9	7	2	— 1	— 1	1	— 3	1	5	161
Hourly Amount.		169	186	243	194	158	144	98	106	117	153	97	102	3728

EASTERLY DECLINATION. D.

DEVIATIONS. — UNITY = 0'.1.

Mean Batavia Time.		1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	— 1	— 5	— 5	— 2	— 2	— 8	— 3	2	3	12	22	18	—
	2	1	4	3	3	3	8	4	— 5	— 13	— 13	— 3	2	—
	3	4	— 1	2	0	4	3	— 4	— 8	— 9	— 5	3	6	—
	4	4	6	5	5	5	7	2	— 6	— 9	— 9	— 11	— 7	—
	5	3	6	6	10	7	9	4	— 9	— 14	— 11	— 9	— 12	—
	6	1	1	2	3	3	0	— 5	— 8	— 6	— 6	— 8	— 6	—
	7	3	2	3	3	5	13	19	7	— 6	— 13	— 18	— 14	—
	8	2	5	11	— 18	3	— 13	— 16	— 20	— 8	14	5	— 12	—
	9	4	1	— 8	0	5	1	5	8	5	— 2	— 7	— 16	—
	10	0	— 1	9	11	5	13	5	3	5	— 4	— 13	— 27	—
	11	— 8	— 6	8	6	0	11	10	4	— 1	— 8	— 14	— 13	—
	12	— 1	4	0	2	1	6	0	— 2	5	4	3	— 1	—
	13	4	2	3	3	— 1	— 2	— 3	— 4	— 4	0	1	— 3	—
	14	4	5	3	4	4	4	— 10	— 18	— 8	— 3	2	1	—
	15	4	11	— 1	— 2	0	— 2	— 9	2	2	2	5	6	—
	16	5	3	3	4	— 4	— 11	— 14	— 11	— 1	5	7	7	—
	17	4	3	3	4	— 1	— 4	— 9	— 5	— 6	— 8	5	6	—
	18	2	3	2	4	3	1	3	0	— 1	— 3	— 9	— 5	—
	19	— 1	1	1	1	— 1	— 1	5	6	1	— 1	— 5	— 9	—
	20	— 7	— 5	— 9	— 8	— 10	0	13	16	10	6	— 7	5	—
	21	— 4	— 7	— 4	— 4	— 5	3	15	7	7	— 2	— 6	— 7	—
	22	— 9	— 10	— 10	— 9	— 5	— 10	— 6	17	18	18	19	16	—
	23	— 3	— 5	— 5	— 1	— 2	— 8	— 1	1	4	10	8	4	—
	24	— 1	— 2	0	2	3	— 4	2	— 3	— 3	— 2	4	4	—
	25	— 2	— 1	— 1	0	1	7	10	6	4	— 10	— 20	— 1	—
	26	1	2	2	3	3	— 3	— 1	1	— 1	— 3	— 3	— 3	—
	27	— 3	— 3	— 5	— 5	— 5	1	— 2	2	1	4	7	9	—
	28	— 1	— 1	— 3	— 5	— 6	— 7	— 5	7	9	14	11	9	—
	29	2	0	— 1	— 3	— 5	— 6	— 7	— 9	— 3	6	12	8	—
	30	0	— 2	1	— 2	— 2	— 1	— 2	6	5	— 6	— 4	4	—
	31	— 10	— 11	— 16	— 12	— 2	— 10	2	11	16	14	26	26	—
Hourly Amount.		99	119	135	139	106	177	196	214	188	218	277	267	—

Mean Batavia Time.		1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
DECEMBER.	1	10	7	2	— 6	— 9	— 8	— 8	— 6	— 8	— 4	— 1	1	153
	2	5	9	7	0	— 4	— 3	— 2	1	— 1	— 2	0	1	97
	3	7	7	3	— 1	— 5	— 2	— 3	— 1	0	1	3	2	84
	4	— 2	8	9	4	4	— 4	— 7	— 11	— 3	0	2	4	134
	5	— 2	4	4	1	2	— 1	0	1	2	3	3	5	128
	6	— 5	4	8	5	4	0	— 4	— 3	— 2	— 2	2	5	93
	7	— 7	— 7	0	8	16	12	9	10	4	10	— 5	— 4	198
	8	— 11	— 9	— 4	— 4	4	9	8	5	5	5	5	7	203
	9	— 8	— 3	— 4	— 3	1	5	6	5	— 2	— 5	4	— 10	118
	10	— 20	— 11	2	6	11	1	2	6	5	2	4	2	168
	11	— 19	— 8	— 1	8	6	3	4	— 1	4	— 2	— 4	— 1	150
	12	— 5	— 9	— 9	— 7	— 2	5	7	9	7	2	1	4	96
	13	— 2	— 5	— 5	— 2	11	0	1	3	4	3	2	5	73
	14	2	0	— 4	— 3	— 2	— 2	0	0	0	3	3	2	87
	15	6	6	— 2	— 9	— 9	0	0	4	1	3	5	6	97
	16	8	6	— 2	— 5	— 4	— 8	— 9	— 4	0	3	1	5	130
	17	11	6	4	— 2	— 6	— 6	— 5	— 3	— 1	1	1	3	107
	18	— 9	— 5	0	3	4	6	6	6	6	3	0	— 4	88
	19	— 9	— 6	— 2	0	3	7	8	8	6	2	1	— 9	94
	20	— 7	— 2	3	10	5	2	— 2	0	0	— 5	— 2	— 4	138
	21	1	— 4	3	4	9	8	3	— 2	— 1	— 4	— 9	— 10	129
	22	5	0	— 2	3	— 9	— 2	— 4	— 9	— 9	— 6	— 3	— 3	202
	23	4	1	7	10	5	— 2	— 6	— 4	— 5	— 3	— 2	— 4	105
	24	2	7	5	0	— 3	— 3	— 3	— 5	— 5	— 3	— 2	1	69
	25	10	3	5	— 2	— 1	— 3	— 3	0	0	0	0	1	91
	26	— 1	— 3	— 2	2	3	3	4	1	2	0	— 1	— 1	49
	27	1	— 1	— 3	— 2	— 3	— 3	— 1	0	0	0	1	2	64
	28	4	1	— 8	— 6	— 12	— 5	2	1	4	4	4	4	133
	29	4	3	3	2	— 1	1	— 2	— 2	— 3	0	— 2	— 1	86
	30	10	— 2	— 2	5	0	2	0	0	— 2	0	— 6	— 4	68
	31	16	4	— 11	— 20	— 17	— 6	— 5	— 7	— 6	— 3	— 2	— 1	254
Hourly Amount.		213	151	126	143	175	122	124	118	98	84	81	116	3686

HORIZONTAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

Mean Batavia Time.		1 A.M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	1	— 1	3	— 2	— 5	— 8	— 4	2	7	12	12	8	—
	2	— 1	— 6	— 5	— 7	— 8	— 11	— 11	1	2	2	— 2	5	—
	3	— 1	— 10	— 5	— 6	— 7	— 9	— 12	— 8	4	7	3	5	—
	4	4	2	1	— 2	— 3	— 9	— 15	— 11	— 9	— 2	7	9	—
	5	0	1	0	— 5	— 3	— 8	— 10	— 11	— 7	0	4	11	—
	6	16	10	13	2	— 6	— 4	— 6	— 13	— 10	— 7	— 4	— 1	—
	7	9	15	11	13	13	9	0	— 2	— 8	— 13	— 14	— 22	—
	8	13	41	0	64	43	44	34	50	25	— 52	— 44	— 27	—
	9	15	7	14	— 3	— 3	5	11	4	4	2	10	— 7	—
	10	— 27	— 21	— 9	— 4	3	16	21	12	4	— 2	— 11	— 9	—
	11	10	2	— 3	— 2	1	4	10	5	4	5	0	— 2	—
	12	— 5	4	3	5	0	3	4	6	2	4	3	— 1	—
	13	8	6	— 2	— 5	0	— 2	— 3	— 1	1	4	3	1	—
	14	— 4	— 7	3	— 3	— 4	1	7	10	15	16	3	— 6	—
	15	9	— 9	2	— 6	— 4	— 8	— 6	3	4	5	4	2	—
	16	— 2	— 5	4	0	0	1	1	7	6	— 2	3	— 2	—
	17	0	— 3	— 1	— 2	1	— 1	0	6	7	3	— 1	— 3	—
	18	— 6	— 9	— 10	— 6	— 8	— 7	— 1	8	11	10	7	3	—
	19	— 4	— 7	— 9	— 8	— 4	— 2	0	2	— 1	4	8	11	—
	20	— 12	2	2	7	— 2	— 3	— 1	1	6	— 1	— 4	— 7	—
	21	4	8	11	11	11	13	5	10	1	— 2	4	— 7	—
	22	2	2	8	10	8	7	11	— 3	10	3	3	— 1	—
	23	4	12	2	— 1	— 2	— 2	— 4	— 1	— 2	4	3	8	—
	24	— 5	— 5	— 3	— 4	0	— 3	— 4	— 5	— 7	— 1	8	9	—
	25	— 1	— 1	— 3	— 2	— 2	0	— 4	— 4	— 10	— 6	0	2	—
	26	— 6	— 6	— 7	— 7	— 6	— 2	3	— 1	0	2	8	7	—
	27	1	— 2	— 2	— 7	— 2	— 1	0	— 7	— 8	— 5	— 4	8	—
	28	0	— 2	— 1	— 5	— 5	— 7	— 9	— 14	— 11	— 6	2	10	—
	29	2	— 3	— 5	— 8	— 3	— 9	— 1	— 10	— 7	— 2	— 1	2	—
	30	3	2	— 1	— 6	— 2	— 11	— 20	— 28	— 28	4	— 4	— 8	—
	31	— 28	— 27	— 15	— 12	— 4	— 1	0	— 5	2	24	1	2	
Hourly Amount.		203	238	158	225	163	211	218	251	223	212	185	206	—

Mean Batavia Time.		1 P.M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
DECEMBER.	1	0	— 8	— 11	— 5	— 2	1	2	2	6	2	0	2	106
	2	7	3	10	5	6	2	5	10	0	1	2	2	114
	3	8	— 1	— 1	0	0	— 2	0	4	4	7	7	4	115
	4	9	9	5	3	— 4	— 14	— 8	2	1	3	5	— 1	138
	5	15	10	7	4	— 1	— 14	— 15	— 11	— 3	0	5	4	149
	6	7	16	10	5	8	3	4	7	14	16	17	8	207
	7	— 12	2	11	— 3	— 27	— 46	— 55	— 61	— 60	— 10	— 25	7	448
	8	— 38	— 27	— 18	1	1	8	2	12	10	7	11	4	576
	9	4	0	8	14	24	11	— 10	— 16	— 6	— 18	— 1	— 4	201
	10	— 12	— 18	— 14	— 1	— 20	— 1	4	11	5	10	8	27	270
	11	— 3	— 4	— 9	— 4	0	0	— 2	— 11	— 7	— 9	6	— 2	105
	12	0	— 2	— 4	— 1	— 1	— 2	0	1	1	— 5	— 7	— 6	70
	13	1	5	6	2	— 19	2	4	2	— 1	— 3	2	— 5	88
	14	— 6	— 14	— 6	— 6	— 8	— 2	2	1	9	9	11	6	159
	15	— 2	— 4	— 4	3	3	3	4	— 6	— 2	2	— 2	— 1	98
	16	— 3	— 6	— 8	2	2	— 2	— 3	— 4	1	— 3	0	4	71
	17	1	— 5	— 5	— 3	0	1	3	0	0	— 4	— 4	— 8	62
	18	1	— 5	— 1	0	4	8	10	12	11	6	— 10	— 3	157
	19	4	7	— 3	7	4	— 10	— 8	— 5	2	7	3	3	123
	20	— 2	— 2	2	— 6	1	0	3	— 1	— 1	— 12	— 3	5	86
	21	— 20	— 26	— 23	— 15	— 12	— 8	5	7	— 5	1	6	3	218
	22	— 7	— 8	— 16	— 26	— 14	— 11	— 10	7	8	9	7	— 4	195
	23	12	6	2	1	4	— 1	— 2	— 10	— 2	— 1	— 1	— 3	90
	24	9	10	— 1	— 3	— 3	— 2	1	0	3	1	8	1	96
	25	12	14	12	2	6	0	0	1	0	— 5	— 10	— 11	108
	26	6	2	— 3	— 3	2	3	4	4	7	6	6	5	106
	27	6	0	2	— 9	0	2	3	4	4	1	— 4	— 4	86
	28	16	14	11	8	5	5	5	2	— 4	0	0	0	142
	29	6	7	4	— 4	1	3	2	8	15	8	— 2	0	113
	30	— 17	27	39	33	33	47	43	12	— 25	— 29	— 44	— 34	509
	31	8	— 2	1	4	6	12	13	13	15	— 4	5	— 1	202
Hourly Amount.		254	264	257	183	221	226	232	247	232	196	222	172	5199

VERTICAL FORCE. D.

DEVIATIONS. — UNITY = 0.00001 C. G. S.

	Mean Batavia Time.	1 A. M.	2	3	4	5	6	7	8	9	10	11	12	—
DECEMBER.	1	0	2	2	7	10	16	17	— 11	— 10	— 14	— 13	4	—
	2	— 4	— 3	— 5	— 5	— 5	— 2	8	5	3	— 6	— 6	— 5	—
	3	0	7	3	5	3	1	2	1	— 4	— 9	— 8	— 2	—
	4	— 1	2	3	6	6	5	10	7	1	2	0	— 5	—
	5	— 1	— 1	— 2	1	0	2	11	21	14	1	0	— 5	—
	6	— 3	— 1	0	6	10	11	19	16	6	3	3	2	—
	7	— 4	— 5	— 1	— 1	0	— 2	8	10	15	22	4	— 5	—
	8	— 12	— 22	5	— 24	— 14	— 5	— 18	— 22	— 23	17	18	12	—
	9	— 5	4	— 3	5	2	— 6	— 12	0	6	5	0	5	—
	10	16	9	— 4	— 9	— 11	— 18	— 14	— 8	0	5	25	21	—
	11	— 8	— 2	3	1	0	— 3	1	15	27	28	23	6	—
	12	4	— 2	— 1	— 3	0	— 3	— 1	— 2	1	1	0	3	—
	13	— 4	— 3	4	7	6	7	6	— 4	— 8	— 9	5	6	—
	14	2	3	— 1	2	2	5	10	4	— 4	0	3	1	—
	15	— 3	5	0	4	1	7	5	— 2	— 1	2	6	4	—
	16	— 2	3	— 3	2	3	9	6	3	2	5	— 1	— 4	—
	17	— 2	0	— 1	— 1	0	4	10	8	13	8	3	0	—
	18	4	4	4	3	4	3	0	— 8	— 10	— 10	— 6	2	—
	19	3	3	4	2	— 1	— 4	— 9	— 1	— 8	— 8	— 5	— 4	—
	20	11	0	— 3	— 9	— 4	— 6	— 7	— 2	1	4	— 1	— 6	—
	21	— 1	— 1	— 3	— 3	— 4	— 9	2	5	3	2	— 8	— 2	—
	22	6	2	0	— 5	— 3	— 2	— 11	— 13	— 18	— 13	— 11	— 2	—
	23	— 5	— 8	— 1	2	2	1	— 2	— 14	— 16	— 10	2	3	—
	24	3	2	3	6	3	6	7	6	4	— 4	— 12	— 5	—
	25	4	3	5	4	3	— 1	3	8	11	14	— 2	— 23	—
	26	0	0	1	1	1	— 2	— 2	— 1	4	4	— 4	— 6	—
	27	— 2	0	1	3	1	— 1	4	5	2	— 2	— 10	— 13	—
	28	— 4	— 3	— 5	— 3	— 4	— 8	— 10	5	2	0	— 2	— 12	—
	29	0	4	2	6	3	6	6	3	0	— 7	— 8	— 7	—
	30	— 1	— 1	— 2	3	2	0	— 31	6	13	— 8	1	8	—
	31	12	4	— 6	— 10	— 14	— 10	— 18	— 41	— 29	— 28	2	20	—
Hourly Amount.		127	109	81	149	122	165	270	257	259	251	192	203	—

	Mean Batavia Time.	1 P. M.	2	3	4	5	6	7	8	9	10	11	12	Daily Amount.
DECEMBER.	1	7	0	3	— 3	— 1	— 1	— 1	— 2	— 2	— 1	— 1	— 4	132
	2	3	4	6	7	2	2	— 3	— 3	2	3	4	— 1	97
	3	— 2	2	7	5	3	— 2	— 4	— 4	— 3	— 5	— 5	— 2	89
	4	— 8	— 15	— 10	— 5	3	7	5	— 1	— 4	— 5	— 7	— 1	119
	5	— 16	— 17	— 10	— 3	1	7	6	2	— 4	— 4	— 6	— 2	137
	6	— 6	— 17	— 17	— 8	— 7	— 3	— 2	— 4	— 9	— 12	— 11	— 4	180
	7	— 8	— 14	— 18	2	17	24	24	25	27	— 4	10	0	250
	8	10	1	— 5	— 11	— 7	0	3	— 1	1	2	— 1	0	234
	9	— 5	— 6	— 6	— 8	— 13	— 6	8	12	6	13	4	1	141
	10	16	14	— 2	— 13	2	— 1	— 3	— 7	— 5	— 10	— 7	— 14	234
	11	— 9	— 15	— 20	— 18	— 14	— 6	0	7	7	11	— 3	3	230
	12	5	9	1	— 5	— 5	— 2	— 3	— 2	— 2	2	2	2	61
	13	4	2	— 7	— 11	4	— 1	— 2	— 3	— 2	0	— 4	— 2	111
	14	— 4	— 3	— 10	— 12	— 6	— 3	— 2	1	— 3	— 2	— 2	0	85
	15	1	— 1	— 6	— 7	— 6	1	1	0	1	2	4	4	74
	16	— 9	— 10	— 5	— 5	— 4	3	3	2	— 2	1	— 2	— 2	91
	17	— 9	— 5	— 8	— 5	— 4	— 4	— 4	0	1	4	5	6	105
	18	5	6	1	1	— 4	— 7	— 5	— 6	— 4	1	10	4	112
	19	3	— 1	0	— 8	0	9	11	8	1	— 1	2	3	99
	20	4	7	2	3	— 4	0	0	1	3	12	3	— 2	95
	21	1	4	4	— 1	2	0	— 6	— 7	4	2	2	4	80
	22	20	25	27	27	11	3	3	— 6	— 6	— 6	— 7	— 1	228
	23	— 2	2	2	7	3	4	3	7	0	— 4	— 3	1	104
	24	0	— 9	— 3	3	6	1	— 2	— 2	— 5	— 3	— 4	1	100
	25	— 24	— 7	0	3	— 1	3	3	0	— 2	3	2	5	138
	26	— 3	0	2	3	3	3	0	— 1	— 2	0	0	— 2	47
	27	— 4	3	5	10	3	0	— 1	— 3	— 3	— 2	6	1	79
	28	— 1	13	19	17	10	2	— 2	— 5	— 2	— 4	— 6	— 4	143
	29	— 7	— 8	3	8	3	— 1	3	— 1	— 3	2	6	2	99
	30	3	— 7	— 6	0	— 2	— 16	— 16	5	28	22	26	18	225
	31	28	41	45	32	6	— 14	— 11	— 12	— 14	— 11	— 11	— 8	427
Hourly Amount.		227	268	260	251	157	136	140	140	158	154	166	104	4346

RESULTS OF METEOROLOGICAL OBSERVATIONS

BATAVIA

1891.

TABLE 1. Mean height of the Barometer in 1891.

Barometer at 0°C = 750mm + the numbers in the Table.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	8.57	9.93	9.14	9.24	8.78	9.49	9.64	10.46	10.30	9.08	9.05	9.47	9.43
2	8.19	9.52	8.73	8.75	8.34	9.14	9.30	10.14	10.02	8.73	8.67	9.09	9.05
3	7.94	9.32	8.43	8.48	8.12	8.85	9.07	9.93	9.85	8.51	8.49	8.82	8.82
4	7.90	9.33	8.38	8.54	8.03	8.80	9.03	9.91	9.87	8.59	8.55	8.77	8.81
5	8.15	9.49	8.49	8.75	8.16	8.97	9.25	10.07	10.11	8.85	8.81	9.06	9.01
6	8.62	9.76	8.79	9.07	8.48	9.23	9.49	10.43	10.54	9.20	9.26	9.50	9.36
7	9.18	10.22	9.30	9.51	8.91	9.62	9.89	10.87	11.04	9.73	9.76	10.11	9.85
8	9.55	10.81	9.77	9.97	9.41	10.08	10.35	11.29	11.38	10.18	10.13	10.47	10.28
9	9.66	11.04	10.01	10.27	9.55	10.49	10.50	11.43	11.48	10.14	10.22	10.70	10.43
10	9.51	10.95	9.96	10.20	9.38	9.95	10.27	11.22	11.19	9.78	9.94	10.50	10.24
11	9.13	10.66	9.59	9.77	9.05	9.57	9.81	10.68	10.57	9.24	9.45	10.06	9.80
12	8.70	10.04	8.96	9.03	8.45	8.96	9.15	10.04	9.79	8.58	8.76	9.53	9.17
1 p. m.	8.02	9.31	8.21	8.35	7.86	8.33	8.51	9.37	9.12	7.88	8.03	8.88	8.49
2	7.34	8.71	7.55	7.78	7.29	7.78	7.95	8.81	8.49	7.29	7.45	8.19	7.89
3	6.74	8.31	7.17	7.31	6.89	7.44	7.59	8.46	8.11	7.05	7.03	7.71	7.48
4	6.63	8.14	7.22	7.37	6.92	7.45	7.59	8.44	8.14	6.94	7.12	7.65	7.47
5	6.90	8.41	7.55	7.73	7.15	7.72	7.84	8.72	8.52	7.36	7.54	8.01	7.79
6	7.48	8.95	8.10	8.15	7.57	8.16	8.23	9.11	9.01	7.96	8.12	8.58	8.29
7	8.01	9.42	8.67	8.78	8.41	8.70	8.78	9.73	9.60	8.54	8.68	9.08	8.84
8	8.48	9.96	9.22	9.39	8.70	9.30	9.39	10.31	10.24	9.11	9.23	9.59	9.41
9	8.98	10.47	9.62	9.87	9.18	9.76	9.83	10.72	10.73	9.64	9.70	10.01	9.88
10	9.18	10.77	9.91	10.04	9.39	9.97	10.06	10.95	11.01	9.94	9.82	10.19	10.10
11	9.18	10.84	9.91	10.03	9.41	9.89	10.12	11.04	11.09	9.86	9.77	10.22	10.11
12	8.85	10.59	9.61	9.76	9.23	9.79	10.04	10.85	10.80	9.52	9.45	9.92	9.87
Monthly Means.	8.37	9.79	8.85	9.01	8.43	9.05	9.24	10.12	10.04	8.82	8.88	9.34	9.16

TABLE 2. Mean Temperature of the Air in 1891.

Centesimal degrees.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	23°.96	23°.83	23°.94	24°.49	25°.00	24°.52	23°.87	23°.57	24°.38	24°.94	24°.90	24°.40	24°.32
2	23.69	23.64	23.74	24.25	24.71	24.24	23.49	23.06	23.87	24.55	24.71	24.20	24.01
3	23.51	23.42	23.54	24.11	24.46	23.94	23.21	22.69	23.47	24.30	24.44	23.98	23.76
4	23.34	23.21	23.34	23.93	24.18	23.69	22.87	22.27	23.08	24.02	24.26	23.80	23.50
5	23.23	23.11	23.19	23.73	23.93	23.42	22.54	21.96	22.73	23.75	24.11	23.61	23.28
6	23.14	23.01	23.06	23.58	23.72	23.23	22.29	21.72	22.47	23.64	24.08	23.53	23.12
7	23.44	23.27	23.36	23.90	23.98	23.44	22.43	21.96	22.98	24.84	24.90	24.11	23.55
8	24.41	24.33	24.59	25.07	25.31	24.78	23.48	23.52	24.82	26.93	26.55	25.21	24.92
9	25.58	25.44	26.22	26.59	27.10	26.50	25.41	25.56	27.03	28.70	28.22	26.43	26.57
10	26.70	26.41	27.47	27.94	28.61	27.92	27.24	27.26	28.83	30.20	29.36	27.47	27.95
11	27.69	27.32	28.30	28.85	29.61	28.94	28.54	28.59	30.08	31.25	30.20	28.21	28.97
12	28.02	27.84	28.85	29.43	30.33	29.68	29.51	29.41	30.85	31.29	30.81	28.63	29.55
1 p. m.	28.37	28.23	28.94	29.73	30.65	30.04	29.94	29.75	30.66	31.25	30.52	28.72	29.73
2	28.51	28.20	28.94	29.65	30.61	29.93	29.73	29.46	30.57	31.09	30.11	28.63	29.62
3	28.30	27.92	28.58	29.38	30.48	29.70	29.52	29.11	30.05	30.59	29.71	28.58	29.33
4	28.02	27.60	27.79	28.63	29.92	29.31	28.98	28.53	29.42	30.07	29.25	28.23	28.81
5	27.59	27.19	27.20	27.81	29.27	28.73	28.39	27.88	28.79	29.34	28.44	27.64	28.19
6	26.87	26.41	26.57	27.15	28.36	27.88	27.55	27.16	27.97	28.59	27.63	26.84	27.42
7	26.15	25.83	25.95	26.50	27.60	27.09	26.72	26.51	27.35	27.98	26.87	26.25	26.73
8	25.61	25.28	25.38	25.97	26.91	26.41	26.02	25.86	26.84	27.37	26.31	25.80	26.15
9	25.24	24.90	25.02	25.56	26.40	25.93	25.54	25.40	26.34	26.83	25.96	25.40	25.71
10	24.84	24.56	24.72	25.19	26.01	25.51	25.09	24.90	25.83	26.26	25.62	25.11	25.30
11	24.51	24.24	24.44	24.93	25.70	25.17	24.70	24.45	25.35	25.80	25.35	24.73	24.95
12	24.17	24.07	24.22	24.72	25.31	24.82	24.24	24.00	24.96	25.37	25.10	24.57	24.63
Monthly Means.	25.62	25.38	25.72	26.30	27.01	26.45	25.89	25.61	26.62	27.45	26.97	26.00	26.25

TABLE 3. Mean relative Humidity of the Air in 1891.

Saturation = 1000

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	914	935	925	926	905	903	873	861	808	813	872	916	888
2	923	937	932	929	911	910	878	873	821	823	874	926	895
3	931	939	936	934	914	913	881	872	829	829	881	929	899
4	933	943	941	938	918	911	880	879	832	840	888	930	903
5	935	945	943	944	920	916	882	881	841	850	893	936	907
6	936	947	946	946	924	917	888	881	846	851	890	940	909
7	933	943	938	935	910	902	879	864	826	792	857	923	892
8	895	910	886	886	858	849	839	803	757	713	781	881	838
9	839	863	813	817	778	772	754	715	668	628	687	815	762
10	792	813	760	750	704	699	660	631	581	566	636	762	696
11	746	768	729	708	652	662	603	577	547	539	604	728	655
12	733	745	701	689	618	634	564	557	529	565	592	715	637
1 p. m.	728	736	709	692	624	635	561	565	557	558	611	719	641
2	715	716	706	703	641	652	585	583	561	553	637	726	648
3	730	738	734	712	639	658	599	596	585	586	654	725	663
4	744	747	765	743	663	677	614	615	613	606	673	741	683
5	757	767	783	781	697	709	652	650	628	638	716	765	712
6	785	816	816	816	746	762	706	699	657	672	761	807	754
7	821	863	852	849	786	809	761	741	697	711	792	849	794
8	847	887	875	878	828	848	803	774	728	733	826	873	825
9	867	900	891	896	856	869	821	800	757	757	836	883	844
10	885	911	899	909	868	880	843	819	781	779	855	893	860
11	900	925	910	921	881	889	850	836	786	793	857	906	871
12	912	935	916	924	891	898	863	853	796	805	863	915	881
Monthly Means.	842	860	846	843	797	803	760	747	710	708	772	842	794

TABLE 3A. Mean relative Humidity of the Air in 1891.

Calculated according to Weihrauch's method.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	913	934	923	924	902	900	871	859	808	815	872	915	886
2	922	936	930	928	909	908	876	872	821	825	874	926	895
3	929	937	934	932	911	911	879	871	828	830	882	930	898
4	932	942	939	937	917	910	880	880	831	842	890	930	903
5	934	944	942	943	919	915	881	883	841	852	894	935	907
6	936	948	945	945	923	917	887	883	846	853	891	940	910
7	934	945	938	936	913	904	879	867	829	796	860	925	894
8	900	914	892	892	864	855	843	811	763	717	782	884	843
9	845	867	822	824	786	780	760	728	673	631	690	818	766
10	795	816	766	755	710	706	667	639	586	567	637	763	698
11	750	771	732	714	657	665	608	582	551	540	606	727	656
12	737	745	705	693	623	637	569	561	534	566	593	713	637
1 p. m.	731	737	710	694	627	638	565	566	559	561	609	718	641
2	716	718	706	705	643	654	588	583	562	553	632	724	647
3	731	737	734	712	641	659	602	598	586	586	651	723	662
4	744	746	763	741	664	677	617	617	614	605	670	739	682
5	755	765	781	777	697	709	654	651	628	638	713	762	710
6	782	813	813	812	746	761	707	700	656	673	756	803	751
7	820	859	850	845	782	805	759	740	694	714	788	846	791
8	844	884	872	873	822	843	799	771	727	734	823	869	821
9	864	897	888	892	850	863	816	797	755	758	835	879	840
10	883	908	898	905	863	876	838	817	780	781	854	890	857
11	898	922	907	918	876	883	846	834	785	794	857	904	868
12	908	934	913	920	887	894	860	851	795	806	863	913	879
Monthly Means.	837	855	841	836	788	795	750	738	701	700	764	836	786

TABLE 4. Mean Tension of the Atmospheric Vapour in 1891.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	20.20	20.51	20.40	21.13	21.24	20.62	19.17	18.58	18.33	19.12	20.42	20.79	20.04
2	20.07	20.31	20.30	20.89	21.04	20.43	18.86	18.28	18.07	18.93	20.23	20.78	19.85
3	20.02	20.09	20.16	20.81	20.79	20.14	18.59	17.87	17.80	18.76	20.09	20.60	19.64
4	19.87	19.94	20.03	20.69	20.55	19.82	18.24	17.59	17.45	18.70	20.05	20.38	19.44
5	19.79	19.85	19.91	20.58	20.29	19.62	17.91	17.32	17.28	18.61	19.97	20.26	19.28
6	19.71	19.81	19.81	20.44	20.14	19.42	17.75	17.06	17.13	18.51	19.86	20.28	19.16
7	20.04	20.06	20.03	20.63	20.21	19.39	17.75	17.01	17.29	18.57	20.12	20.66	19.31
8	20.46	20.68	20.49	21.09	20.73	19.88	18.14	17.49	17.78	18.93	20.20	21.09	19.75
9	20.59	20.98	20.80	21.34	20.95	20.09	18.34	17.72	17.88	18.46	19.63	20.97	19.81
10	20.72	20.91	20.87	21.15	20.68	19.74	17.93	17.20	17.29	18.11	19.38	20.79	19.56
11	20.69	20.83	20.92	21.09	20.26	19.75	17.64	16.93	17.46	18.29	19.35	20.70	19.49
12	20.72	20.73	20.82	21.15	20.03	19.73	17.46	17.12	17.68	19.23	19.60	20.78	19.59
1 p. m.	20.99	21.00	21.06	21.57	20.53	20.16	17.76	17.62	18.31	19.00	19.80	21.04	19.90
2	20.72	20.41	20.96	21.79	21.00	20.56	18.26	17.85	18.31	18.57	20.08	21.12	19.97
3	20.90	20.62	21.33	21.69	20.77	20.45	18.47	17.93	18.55	19.12	20.19	21.02	20.09
4	20.92	20.47	21.19	21.60	20.84	20.54	18.34	17.88	18.75	19.15	20.26	21.04	20.08
5	20.72	20.52	20.94	21.60	21.09	20.79	18.81	18.18	18.48	19.38	20.56	20.97	20.17
6	20.59	20.83	21.01	21.72	21.40	21.24	19.35	18.73	18.40	19.58	20.80	21.09	20.40
7	20.67	21.26	21.18	21.75	21.48	21.46	19.79	19.07	18.78	20.03	20.73	21.46	20.64
8	20.62	21.17	21.02	21.79	21.69	21.59	20.00	19.12	19.09	19.90	20.95	21.47	20.70
9	20.66	21.00	20.94	21.71	21.75	21.48	19.86	19.23	19.27	19.91	20.81	21.22	20.65
10	20.59	20.83	20.80	21.56	21.57	21.26	19.85	19.12	19.30	19.82	20.88	21.10	20.56
11	20.54	20.76	20.68	21.53	21.51	21.02	19.58	19.02	18.88	19.60	20.61	20.95	20.39
12	20.34	20.80	20.53	21.32	21.28	20.84	19.35	18.87	18.68	19.42	20.45	20.97	20.24
Monthly Means.	20.46	20.60	20.67	21.28	20.91	20.42	18.63	18.03	18.18	19.07	20.21	20.90	19.95

TABLE 4A. Deficiency of Saturation for the year 1891.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1 a. m.	1.93	1.45	1.70	1.73	2.31	2.28	2.84	3.04	4.37	4. 5	2.99	1.94	2.58
2	1.71	1.40	1.54	1.63	2.11	2.08	2.67	2.69	3.94	4.01	2.92	1.67	2.34
3	1.53	1.35	1.43	1.52	2.02	1.96	2.57	2.64	3.70	3.83	2.70	1.55	2.23
4	1.46	1.22	1.30	1.40	1.87	1.96	2.49	2.40	3.54	3.51	2.48	1.54	2.10
5	1.40	1.18	1.23	1.25	1.80	1.82	2.42	2.29	3.28	3.25	2.36	1.41	1.97
6	1.36	1.09	1.16	1.20	1.68	1.77	2.27	2.27	3.11	3.20	2.43	1.30	1.89
7	1.42	1.18	1.33	1.42	1.94	2.07	2.44	2.60	3.58	4.76	3.29	1.67	2.29
8	2.28	1.95	2.50	2.56	3.27	3.37	3.37	4.07	5.53	7.48	5.63	2.76	3.69
9	3.79	3.21	4.52	4.55	5.72	5.66	5.80	6.63	8.68	10.82	8.84	4.68	6.05
10	5.33	4.71	6.39	6.85	8.45	8.23	8.96	9.73	12.20	13.81	11.04	6.47	8.46
11	6.91	6.19	7.68	8.44	10.60	9.93	11.37	12.16	14.23	15.60	12.57	7.76	10.24
12	7.41	7.11	8.71	9.39	12.13	11.25	13.23	13.39	15.44	14.74	13.45	8.38	11.17
1 p. m.	7.73	7.49	8.62	9.50	12.22	11.46	13.68	13.49	14.46	14.89	12.71	8.27	11.17
2	8.24	8.03	8.72	9.14	11.68	10.86	12.81	12.75	14.29	15.01	11.67	8.04	10.91
3	7.70	7.35	7.75	8.76	11.66	10.57	12.23	12.05	13.09	13.52	10.85	8.06	10.27
4	7.21	6.99	6.57	7.56	10.57	9.79	11.41	11.11	11.78	12.53	9.96	7.45	9.38
5	6.73	6.29	5.89	6.20	9.17	8.54	9.94	9.73	10.94	11.00	8.28	6.55	8.25
6	5.73	4.79	4.85	5.03	7.30	6.67	8.04	8.04	9.65	9.51	6.71	5.18	6.78
7	4.55	3.49	3.74	4.00	5.98	5.19	6.29	6.70	8.29	8.04	5.59	3.91	5.46
8	3.81	2.78	3.08	3.16	4.69	4.03	5.02	5.67	7.18	7.20	4.52	3.23	4.52
9	3.24	2.41	2.64	2.64	3.85	3.41	4.47	4.90	6.24	6.35	4.12	2.91	3.92
10	2.74	2.12	2.37	2.27	3.44	3.02	3.83	4.29	5.45	5.57	3.56	2.61	3.42
11	2.34	1.75	2.11	1.92	3.05	2.78	3.56	3.78	5.18	5.10	3.45	2.23	3.09
12	2.07	1.48	1.95	1.85	2.72	2.47	3.16	3.31	4.81	4.67	3.24	1.99	2.80
Monthly Means.	3.98	3.50	3.92	4.17	5.62	5.26	6.21	6.40	7.75	8.16	6.26	4.09	5.42

TABLE 5. Hourly, Monthly and Annual mean Amount of Cloud in 1891.

A sky free from cloud is represented by 0, entirely overcast by 10.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
1 a. m.	6.6	6.7	6.1	6.5	3.7	4.4	4.1	4.0	3.5	3.5	5.4	6.1	5.05
2	6.4	6.5	5.6	6.4	4.2	4.1	4.0	3.2	3.3	3.7	5.7	6.1	4.93
3	6.5	6.8	5.3	5.4	4.1	3.7	3.7	3.1	3.0	3.4	5.7	5.5	4.68
4	6.9	7.2	5.0	5.5	3.8	3.7	3.3	2.7	3.1	3.4	5.9	5.2	4.64
5	7.1	7.6	5.7	5.5	3.9	3.5	3.9	2.7	3.9	4.8	7.4	6.3	5.19
6	8.2	7.9	6.3	5.9	4.9	4.8	5.3	4.2	4.6	4.7	6.4	7.0	5.85
7	8.3	8.0	5.9	5.8	4.5	4.2	4.8	3.3	4.2	3.7	5.9	7.5	5.51
8	7.6	7.5	4.8	5.1	3.4	3.6	3.7	2.5	2.7	3.6	4.6	7.2	4.69
9	7.7	8.0	5.1	4.9	2.9	2.8	2.3	2.1	2.7	3.7	4.3	7.1	4.47
10	7.6	7.5	6.0	4.8	3.3	3.5	2.5	2.2	3.5	4.9	6.1	7.6	4.96
11	8.3	7.7	6.3	5.2	3.6	5.1	2.5	3.6	4.5	5.3	6.8	8.0	5.58
12	8.3	7.9	7.1	6.0	4.6	5.3	3.5	4.0	4.4	4.3	6.4	7.3	5.76
1 p. m.	7.9	7.0	6.9	5.7	4.5	5.0	4.3	3.7	3.6	3.4	6.3	7.5	5.48
2	7.6	6.7	6.4	5.2	3.7	4.9	3.6	3.2	2.7	3.2	6.4	7.4	5.08
3	7.6	6.7	6.7	5.7	3.2	4.3	2.8	2.6	2.2	3.9	6.4	7.1	4.93
4	7.5	6.6	7.4	6.3	3.3	3.9	2.5	2.9	2.6	4.4	7.1	7.1	5.13
5	7.5	7.1	7.6	6.6	3.9	4.3	3.1	3.4	3.7	5.3	8.1	7.7	5.69
6	7.6	7.3	8.0	7.3	5.2	5.2	4.4	5.2	6.6	6.4	8.1	7.4	6.56
7	6.8	7.1	8.6	7.4	4.1	5.1	4.4	6.4	6.4	5.2	7.1	6.9	6.29
8	6.6	7.0	8.3	7.9	4.0	5.2	5.3	6.3	6.3	5.2	6.5	7.0	6.30
9	6.4	7.2	8.4	7.3	4.4	5.9	6.5	6.1	6.4	4.7	6.3	6.9	6.38
10	6.4	7.0	7.5	7.3	4.6	6.0	6.4	5.9	5.1	4.6	6.0	6.7	6.13
11	6.6	7.3	7.1	6.8	5.2	5.0	5.9	5.7	6.0	4.8	6.0	7.0	6.12
12	6.3	7.4	6.9	6.4	4.7	4.5	5.3	4.6	5.2	4.4	5.6	7.0	5.69
Monthly Means.	7.26	7.24	6.63	6.12	4.07	4.50	4.09	0.93	4.18	4.35	6.27	6.94	5.46

TABLE 6. Hourly, Monthly and Annual Means of the recorded Velocity of the Wind for the year 1891.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Annual Means.
	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.	k. p. h.
1 a. m.	0.91	0.63	0.52	0.40	0.28	0.53	1.26	0.65	0.99	0.75	0.75	0.15	0.65
2	0.49	0.89	0.46	0.45	0.39	0.91	1.65	0.80	0.88	0.77	1.07	0.36	0.76
3	0.54	0.91	0.44	0.40	0.31	0.99	1.81	1.21	0.88	1.16	0.99	0.36	0.83
4	0.41	0.80	0.15	0.35	0.23	0.77	1.60	1.16	1.01	0.83	0.77	0.28	0.70
5	0.26	0.69	0.23	0.61	0.23	0.75	1.70	1.37	0.83	0.75	0.88	0.34	0.72
6	0.46	0.51	0.34	0.83	0.31	0.88	1.70	1.75	1.20	1.45	1.50	0.57	0.96
7	0.88	0.63	0.88	0.88	0.93	1.25	1.83	2.66	2.27	3.25	3.04	1.37	1.66
8	1.68	1.89	1.73	1.76	1.57	2.80	2.53	3.77	4.24	4.42	4.21	1.73	2.69
9	3.10	3.40	3.52	3.04	3.23	4.19	4.19	5.12	5.40	5.24	4.86	3.17	4.04
10	4.78	5.19	4.97	4.29	4.79	4.92	5.95	5.97	7.23	6.96	5.29	4.21	5.38
11	6.23	6.75	6.03	5.85	6.32	5.30	6.37	6.31	8.37	9.57	5.75	5.98	6.57
12	7.57	7.70	7.55	6.59	7.55	6.85	7.18	7.49	11.38	13.67	8.65	7.06	8.27
1 p. m.	8.59	9.38	9.19	8.01	8.99	8.69	8.52	10.97	14.66	16.38	12.11	8.63	10.34
2	9.56	10.36	9.83	8.75	9.88	9.86	11.54	13.13	16.71	17.18	11.54	9.49	11.49
3	8.60	9.04	9.07	9.56	9.69	9.88	12.24	13.85	16.69	17.47	11.46	8.98	11.38
4	6.90	6.77	7.39	8.16	8.75	9.75	11.55	12.90	14.79	15.69	9.38	7.45	9.96
5	5.16	4.84	4.91	4.70	5.96	6.34	8.50	9.38	10.85	11.54	6.11	5.46	6.98
6	3.05	2.38	2.71	2.11	2.14	2.61	3.95	4.52	5.96	5.51	3.55	2.97	3.46
7	1.57	1.14	1.37	1.36	0.98	1.01	1.63	2.53	2.67	1.81	2.19	1.37	1.64
8	1.32	0.91	1.52	1.44	0.46	1.09	0.90	1.19	1.28	1.01	2.21	1.03	1.20
9	0.67	0.86	0.75	1.23	0.39	0.88	0.98	0.65	1.23	0.54	1.47	0.65	0.86
10	0.46	0.80	0.70	0.72	0.36	0.93	0.80	0.77	1.23	0.54	0.85	0.83	0.75
11	0.52	0.80	1.06	0.67	0.49	0.83	1.01	0.95	1.65	0.72	1.31	0.80	0.90
12	0.67	0.95	0.95	0.45	0.62	0.61	1.26	1.03	1.39	0.88	1.31	0.23	0.86
Monthly Means.	3.10	3.26	3.18	3.03	3.12	3.44	4.19	4.59	5.57	5.75	4.22	3.06	3.88

TABLE 7. Hourly and Monthly Means of the four Components of the Wind in the year 1891.

Velocity in kilometers per hour.

Hours of mean Batavia Time.	January.				February.				March.			
	N.	E.	S.	W.	N.	E.	S.	W.	N.	E.	S.	W.
1 a. m.	0.24	—	0.12	0.79	0.30	0.06	0.21	0.15	0.05	—	0.26	0.30
2	0.09	—	0.09	0.44	0.44	0.02	0.29	0.32	0.08	0.07	0.24	0.18
3	0.08	—	0.12	0.47	0.45	0.02	0.24	0.45	0.10	0.10	0.22	0.11
4	0.09	—	0.12	0.32	0.47	0.09	0.12	0.33	0.05	0.04	0.07	0.03
5	0.03	—	0.07	0.22	0.42	0.08	0.12	0.24	0.09	0.10	0.05	0.04
6	0.11	—	0.15	0.34	0.23	0.01	0.16	0.29	0.19	0.06	0.06	0.09
7	0.30	—	0.16	0.59	0.30	0.07	0.10	0.32	0.16	0.13	0.40	0.40
8	0.34	0.26	0.29	1.16	0.88	0.05	0.19	1.32	0.18	0.31	1.07	0.63
9	0.62	0.34	0.50	2.22	1.75	0.28	0.27	2.08	0.31	1.57	0.92	1.26
10	2.09	0.49	0.27	3.27	2.99	0.49	0.27	3.01	1.32	2.06	0.49	2.21
11	3.11	0.24	0.26	4.26	4.16	0.16	0.23	3.97	2.63	2.08	0.32	2.35
12	4.49	0.58	—	4.90	4.68	0.43	—	4.65	4.90	2.21	0.04	2.03
1 p. m.	6.29	0.38	0.28	4.19	6.85	0.65	0.13	3.96	6.56	2.00	—	2.67
2	7.36	0.44	—	3.93	8.54	0.31	0.11	3.49	8.22	1.54	—	2.18
3	6.92	0.37	0.05	3.04	7.31	0.29	0.15	3.25	7.39	1.57	0.21	2.25
4	4.92	0.36	0.19	3.02	5.07	0.25	0.53	2.13	5.14	1.37	0.73	1.61
5	3.38	0.18	0.11	2.67	3.47	—	0.42	1.70	2.81	1.15	0.61	1.30
6	1.21	0.06	0.45	1.91	1.61	0.11	0.19	0.97	0.95	0.56	0.82	1.01
7	0.29	0.06	0.29	1.22	0.39	0.07	0.25	0.69	0.43	0.29	0.47	0.38
8	0.23	0.02	0.22	1.08	0.31	0.19	0.25	0.45	0.26	0.36	0.66	0.49
9	0.29	—	0.04	0.42	0.27	0.09	0.16	0.54	0.08	0.07	0.39	0.34
10	0.04	—	0.16	0.37	0.25	0.08	0.08	0.58	0.25	0.02	0.18	0.33
11	0.28	—	0.08	0.25	0.26	0.04	0.28	0.48	0.15	0.07	0.35	0.69
12	0.25	—	0.11	0.54	0.20	0.29	0.38	0.40	0.10	0.03	0.47	0.58
Monthly Means.	1.79	0.16	0.17	1.73	2.15	0.17	0.21	1.49	1.77	0.74	0.38	0.98

TABLE 7. Continued.

Hours of mean Bataiva Time.	April.				May.				June.			
	N.	E.	S.	W.	N.	E.	S.	W.	N.	E.	S.	W.
1 a. m.	0.25	0.08	0.08	0.10	0.05	0.13	0.11	0.04	0.18	0.13	0.25	0.12
2	0.14	0.12	0.17	0.10	0.14	0.20	0.07	0.03	0.45	0.26	0.30	0.16
3	0.11	0.05	0.16	0.14	0.14	0.18	0.04	0.04	0.48	0.35	0.26	0.18
4	0.12	0.08	0.14	0.04	0.09	0.04	0.11	0.05	0.30	0.28	0.26	0.16
5	0.12	0.19	0.32	0.14	0.16	0.09	0.04	0.03	0.21	0.24	0.38	0.11
6	0.22	0.40	0.30	0.12	0.21	0.11	0.04	0.03	0.29	0.16	0.48	0.12
7	0.25	0.35	0.35	0.17	0.51	0.47	0.07	0.06	0.39	0.33	0.61	0.19
8	0.35	0.59	0.73	0.41	0.39	0.73	0.77	0.17	0.24	1.11	1.80	0.30
9	0.21	1.69	1.04	0.80	0.37	1.61	1.82	0.17	0.18	2.16	2.40	0.18
10	0.59	2.81	1.08	0.62	0.64	3.59	1.12	0.31	0.48	3.74	1.38	0.17
11	1.81	4.16	0.18	1.00	1.85	4.90	0.89	0.27	1.23	4.38	0.73	0.25
12	2.97	4.00	0.17	1.13	2.89	5.83	0.60	0.27	3.29	4.91	0.47	0.06
1 p. m.	5.51	4.27	0.10	0.63	5.45	5.86	0.22	0.09	5.80	5.13	0.16	0.26
2	6.88	3.11	0.07	0.81	6.58	5.74	—	0.11	8.14	4.05	0.12	0.08
3	7.76	3.39	0.03	0.59	6.73	4.97	0.13	—	8.57	3.40	0.02	0.15
4	5.49	2.69	0.73	1.25	6.43	4.07	0.28	0.09	7.81	4.88	0.05	—
5	2.90	1.77	0.55	0.90	4.03	3.23	—	0.04	4.80	3.34	—	0.06
6	1.13	0.72	0.31	0.59	1.16	1.33	0.13	0.06	1.55	1.38	—	0.24
7	0.38	0.31	0.45	0.60	0.39	0.65	0.15	0.08	0.35	0.37	0.30	0.32
8	0.12	0.39	0.72	0.54	0.08	0.20	0.22	0.04	0.26	0.21	0.63	0.23
9	0.31	0.38	0.57	0.21	0.08	0.27	0.14	0.01	0.31	0.26	0.41	0.11
10	0.30	0.29	0.21	0.08	0.08	0.21	0.12	0.03	0.13	0.39	0.47	0.05
11	0.19	0.27	0.31	0.07	0.25	0.22	0.08	0.01	0.33	0.18	0.37	0.11
12	0.28	0.12	0.13	0.01	0.07	0.32	0.19	0.16	0.17	0.16	0.29	0.15
Monthly Means.	1.60	1.34	0.37	0.46	1.62	1.87	0.31	0.09	1.91	1.74	0.51	0.16

TABLE 7. Continued.

Hours of mean Batavia Time.	July.				August.				September.			
	N.	E.	S.	W.	N	E.	S.	W.	N.	E.	S.	W.
1 a. m.	0 34	0.44	0.57	0 20	0.43	0.33	0.04	0.02	0.40	0.09	0.34	0.46
2	0.45	0.55	0.80	0.21	0.56	0.34	0.09	0.02	0.45	0.17	0.20	0.32
3	0.55	0.56	1.00	0.14	0.89	0.52	0.10	0.02	0.54	0.25	0.14	0.23
4	0.47	0 41	0.91	0.11	0 81	0.51	0 08	0.02	0.65	0.40	0.11	0.13
5	0.59	0 61	0.79	0.12	0.94	0.63	0.14	0.09	0.59	0.39	0.04	0.05
6	0 37	0.36	1.07	0.14	1.22	0.93	0.12	0.04	0.75	0.44	0.14	0.20
7	0.55	0.55	0.96	0.14	1.56	1.20	0.46	0.07	1.62	0.90	0.11	0.25
8	0.57	0 85	1.38	0.15	1.02	1.21	1.72	0.54	1.66	1.60	0.93	0.91
9	0.38	2.32	2.29	0.24	0.62	2.06	2.88	0.55	1.01	2.65	2.47	0.67
10	0.22	4.15	2.41	0.20	0.33	2.94	2.96	0.55	1.34	4.06	2.50	1.13
11	0.72	5.13	1.54	0.24	1.23	4.03	1.94	0.54	3.19	4.54	1.09	1.33
12	2.00	5.61	0.58	0.42	4.12	3.79	0.49	0.51	7.35	4.17	0.67	1.26
1 p. m.	5.83	4.05	0.43	0.31	9.27	2.75	0.15	0.79	13.02	3.65	—	0.52
2	9.93	3.36	0.18	0.25	11.80	3.26	0.46	0.34	13.55	5.77	—	0.58
3	10.08	5.31	—	—	12.95	3.36	—	0.33	13.66	6.96	—	0 19
4	9.35	4.90	0.11	—	11.51	4.49	—	—	12.23	5.94	—	0.11
5	6.16	5.03	—	0.07	7.59	4.56	—	—	8.22	4.57	—	0.49
6	2.50	2.63	—	—	3.71	2.13	—	0.03	4.16	2.67	—	0.39
7	0.82	1.25	—	0.02	1.73	1.45	0.24	0.01	1.70	1.16	—	0.39
8	0.48	0.66	—	—	0.72	0.49	0.27	0.06	0 87	0.51	—	0.18
9	0.39	0.48	0.12	0.19	0.45	0.21	0.12	0.03	0.51	0.29	0.23	0.48
10	0.26	0.34	0.22	0.24	0.52	0.22	0.15	0.07	0.44	0.23	0.38	0.48
11	0 60	0.38	0.17	0.13	0.60	0.38	0.16	0.04	0.87	0.34	0.41	0.46
12	0.58	0.47	0.36	0.07	0.69	0.46	0.11	0.04	0.69	0.28	0.32	0.55
Monthly Means.	2.26	2.10	0.66	0.15	3.14	1.76	0.53	0.20	3.73	2.17	0.42	0.49

TABLE 7. Continued.

Hours of mean Batavia Time.	October.				November.				December.			
	N.	E.	S.	W.	N.	E.	S.	W.	N.	E.	S.	W.
1 a. m.	0.38	0.26	0.11	0.23	0.28	0.07	0.30	0.20	0.09	—	0.05	0.04
2	0.40	0.29	0.15	0 20	0.35	0.17	0 47	0.29	0.15	0.15	0.08	0.04
3	0.68	0.39	0.18	0.29	0.20	0.15	0.53	0.28	0.25	0.07	0.03	0.04
4	0.44	0.29	0.13	0.25	0.13	0.05	0.43	0.37	0.09	0.10	0.09	0.09
5	0.48	0.26	0.07	0.17	0.17	0.16	0.43	0.26	0.13	0.11	0.08	0.15
6	1.11	0.45	0.06	0.17	0.52	0.14	0.75	0.35	0.25	0.18	0.14	0.11
7	2.52	1.28	0.06	0.26	1.03	0.26	1.16	0.94	0.84	0.24	0.23	0.28
8	2.34	1.35	1.29	0.41	0.77	0.17	2.49	1.57	0.85	0.53	0.22	0.40
9	1.42	2.39	2.40	0.43	0.54	0.65	3.11	1.71	1.42	0.73	0.33	1.13
10	1.98	3.53	2.35	0.78	0.53	1·42	2.73	1.54	2.16	1.00	0.50	1.48
11	4.45	4.99	0.68	0.88	2.61	1.17	1.58	1.34	3.57	1.89	0.27	1.37
12	13.19	1.73	—	—	6.93	0.98	0.54	1.40	5.35	1.16	0.46	1.22
1 p. m.	15.14	2 35	—	0.37	10.30	2.33	0.51	0.25	6 91	1.74	0.59	0.87
2	13.99	6.23	—	—	10.49	1.89	0.28	0.29	7.88	1.57	0.36	0.29
3	14.79	6.04	—	0.20	9.92	3.16	0.25	0.47	7.37	1.71	0.25	0.58
4	12.82	6.04	—	0.28	8.56	1.04	0.21	0.54	5.66	1.44	0.21	1.25
5	9.66	4 36	—	0.20	4.78	0.64	0.71	1.12	3.12	1.07	1.14	0.80
6	4.27	2.62	—	0.21	1.75	0.54	1.19	1.08	1.27	0.86	0.53	0.91
7	1.35	1.00	—	0.09	0.78	0.19	1 06	0.71	0.36	0.20	0.62	0.55
8	0.58	0.54	0.20	—	0.68	0.33	0.84	0.75	0.35	0.23	0.35	0.33
9	0 33	0.15	0.15	—	0.64	0.21	0.36	0.43	0.10	0.20	0.29	0.24
10	0.47	0.09	0.05	—	0.28	0.08	0.20	0.39	0.38	0.19	0.21	0.27
11	0.42	0.28	0.13	0.12	0.38	0.19	0.40	0.44	0.27	0.05	0.43	0.15
12	0.48	0.35	0.15	0.15	0.39	0.08	0.54	0.53	0.10	—	0.12	0.04
Monthly Means.	4.32	1.97	0.34	0.24	2.63	0.67	0.88	0.72	2.04	0.64	0.32	0.53

TABLE 8. Daily means of the North and East Components of the Wind in 1891.

Velocity in kilometers per hour.

	January.		February.		March.		April.		May.		June.	
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.
1	2.39	2.60	3.19	—2.55	0.29	—0.12	0.32	—2.20	0.76	0.78	2.10	1.12
2	2.13	—0.73	1.78	0.38	1.59	—0.25	—0.24	—2.59	1.39	0.25	1.68	0 87
3	1.39	—0.83	1.25	—1.35	1.02	—0.45	—0.05	—1.48	0 89	1.76	2 29	2.57
4	1.62	—1.93	1.04	—1.48	1.69	—0.57	—0.52	—0.87	1.60	1.62	0.81	0.97
5	1.80	—0.43	2.00	—2 65	1 21	—1.50	0.94	1.18	1.34	1.33	2.12	1.50
6	1.09	0.25	—0.71	—2.38	1.94	1.27	1.02	—0.78	0.94	0.51	1.70	0.76
7	1.20	0.35	0.32	—3.90	1.72	—1.31	0.55	—1.69	1.06	—0.13	2.18	1.58
8	2.65	—0.61	1.27	—4.84	1.74	—1.91	0.94	1.85	1.82	—0.55	1 56	0.80
9	1.49	—1.93	2.58	—2.78	1.42	—0 23	1.58	0.72	—0.46	2.30	0.79	—0 47
10	2.66	—0.54	1.86	—1.61	0.67	—0.25	2.54	2.70	—0.28	1.37	—0.64	—0.65
11	1.62	—0.77	3.47	—1.22	2.35	—0.45	2.15	1.54	—1 17	4.81	1.01	0 66
12	2.18	—1.30	3.40	—1.12	2.80	—0.90	1.70	0.96	1.15	3.01	2.92	1.96
13	2.20	—0.96	1.71	—1.23	1.50	0.70	0.68	0.16	—0.30	4.06	1.77	3.63
14	1.91	—0.67	4.51	—0.89	2.75	0.07	1.99	3.03	0.35	4.92	1 68	1.53
15	0.73	—1.85	2.49	—0.53	0.74	2.44	0.63	1.89	0.81	2.19	1.74	1.41
16	0.59	—2.52	2.58	—1.08	2.82	1.96	1.03	0 60	0.53	2.21	2.11	2.90
17	1.14	—2.53	2.25	—1.86	1.66	1.37	1.13	2.13	1.15	2.05	—0.84	3.49
18	0.99	—0.57	2.14	—0.53	2.12	3.92	0.35	—0.10	2.02	3.04	—0.14	1.50
19	2.82	—0.47	3.09	—1.12	1.85	4.50	2 64	1.37	0.25	1.46	1.22	4.25
20	2.56	—0.84	2.76	—0.60	1.20	2.07	1.34	0 95	2.59	0.59	1.12	5.38
21	1 30	—1.82	2.17	—0.15	0.22	1.43	2.57	1.90	0.49	1.70	0.57	0 92
22	2.65	—2.98	3.21	0.61	1.97	0.59	1.98	1.50	2.29	1.75	0.54	0.71
23	0.29	—2.56	1.81	—0.51	1.54	—1.17	2.98	2.58	2.73	2.53	2.58	3.24
24	1.59	—3.62	0.81	—1.45	0.40	—1.24	0.70	1.92	3.20	2.64	1.71	1.67
25	1.22	—2.89	1.95	—1.44	—0.12	—1.51	2 48	1.80	2.06	2.36	1.00	0.73
26	0.80	—3.97	1.66	—1.37	0 93	—1.97	1.93	2.56	2.49	2.57	1.30	1.05
27	1.94	—4.18	0.92	1.07	1.44	—1.96	1.71	2.44	2.62	1.33	2.48	1.43
28	2.08	—2.74	—1.32	—0 33	2.06	—3.09	0.45	1.08	2.30	—0 41	1.46	1.14
29	1.51	—1.76			1.56	—2 10	0.55	0.50	2.21	0.07	1.10	0.60
30	1.47	—2.00			0.40	—3.25	0.78	0.84	1.05	0.36	2.33	0.28
31	0.30	—4.09			—0.35	—3.48			2.73	2.76		
Means.	1.62	—1.58	1.94	—1.32	1.39	—0.24	1.23	0.88	1.31	1.78	1.41	1.58

	July.		August.		September.		October.		November.		December.	
	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.	N.	E.
1	2.48	1.28	2.87	2.18	2.42	4.63	2.34	—1.24	3.59	1.62	—0.47	—0.83
2	1.57	4.09	2.73	2.29	2.21	2.94	4.61	1.73	3.87	2.30	0.61	—0.09
3	0.12	5.12	2.96	2.09	2.03	0.82	4.95	1.69	4.12	1.99	0.42	0.49
4	1.00	3.65	2.64	2.17	3.74	2.21	4.03	2.84	4.68	—0 09	1.91	—1.08
5	1.25	2.03	2.83	4.22	3.72	2.06	3.03	0.32	2.87	0.15	1.34	—0.65
6	1.84	2.04	2.34	3.58	3.52	—0.28	2.43	0.45	—1.05	—0.52	0.84	—1.22
7	0.72	0.45	0.44	0.52	4.28	0.74	4.27	1.57	1.61	0.47	0.90	—0.35
8	—0.51	0.33	1.96	2.53	3 19	1.84	3.97	2.24	1.75	0.10	1.22	1.76
9	—0.38	—1.64	2.47	0.87	3.25	1.69	4.87	3.27	1.80	—0.39	2.25	—0.60
10	1.73	0.13	—0.38	0.04	4.71	1.23	3.09	5.43	0.54	—0.95	0.60	1.14
11	2.23	1.40	2.67	—0.15	5 09	1.51	2.76	7.16	1.28	—1.20	0.85	1.08
12	1.62	0.66	3.95	1.68	4 26	1.70	1.81	5.26	—0.24	0.27	—1.78	2.30
13	2.35	1.97	1.73	3.71	4 69	—0.14	4.85	1.77	2.19	0.73	0.00	3.45
14	2.02	3.66	0.91	0.53	2.95	—0.06	3.69	1.75	—0.17	—2.11	2.02	1.02
15	1.52	1.88	2.91	0.12	0.26	—2.13	4.91	1.04	—0.76	—1.11	3.66	1.14
16	1.48	1.56	3.25	—0.23	0.85	—2.96	4.71	0.54	0.61	1.32	2.94	—1.29
17	1.55	0.78	2.92	0.14	3.60	1.05	3.96	1.28	2.99	0.14	2.63	—0.67
18	1.69	2.76	3.92	0.99	5.00	0.04	4.80	2 57	2.68	—0.53	3.33	—0.37
19	2.96	2 39	3.95	2.66	4.25	3 88	5.78	1.71	1.40	—0.06	3.41	—0.51
20	2.15	3.76	1.97	0.97	3.77	3.67	4.66	1.46	1.59	—0.38	2 61	0.64
21	1.30	5.71	2.31	0.86	3.00	4.27	5.46	1.31	1.93	—0.29	3.89	—0.17
22	1.97	2.23	2.62	1.62	4.53	0 69	3.59	1 67	3 27	—0.46	4.17	—0.74
23	1.16	—0.80	1.80	0.60	3.64	7.70	3.67	1.93	2.12	—0.91	4.15	—0.59
24	1.77	0.58	3.98	—0.66	—0.30	10.28	4.00	1 83	4.22	—0.22	2.93	—1.12
25	2.33	3.12	3.04	2.09	4.60	2.24	4.25	0.91	3.15	—0.19	2 95	—1.95
26	1.55	3.11	3.67	2.25	4.21	1.55	4.31	0.13	1.16	—0.79	0.74	0.42
27	2.46	1.98	3.03	3.18	4.37	1.41	3.24	1.05	0.60	0.79	—0.36	1.34
28	2.89	2.27	3.66	2.51	2.85	—1.38	2.98	0.56	1.25	—0.61	2.21	0.75
29	2.74	1.63	2.62	1.68	1.91	0.09	4.91	1.12	—0.33	0.12	2.75	—0.93
30	1 30	1.33	2.28	0.83	2 65	—0.77	4.35	1.20	—0.31	—0.61	0.52	0.27
31	0.80	1 00	2.81	2.64			3.12	—0.90			0 10	0 94
Means.	1.60	1.95	2 61	1.56	3.31	1.68	3.98	1.73	1.75	—0.05	1.72	0·12

TABLE 9. Mean Electrical Potential of the Atmosphere in 1891.

In Volts.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1 a. m	69.4	68.5	77.1	62.7	61.2	49.2	45.2	49.0	51.3	—	—	39.9
2	56.1	65.4	81.9	62.6	52.9	50.5	42.2	45.2	46.4	—	—	31.3
3	55.8	64.7	76.0	63.6	48.8	41.9	34.0	46.6	40.6	—	—	27.6
4	48.5	56.3	79.3	60.7	46.3	40.5	35.5	41.2	37.0	—	—	24.0
5	51.1	59.0	70.2	63.3	43.0	42.2	38.3	39.8	37.5	—	—	22.5
6	57.5	49.9	71.7	53.3	41.9	48.0	35.3	38.0	31.1	—	—	33.2
7	73.3	74.2	93.9	75.3	54.5	72.9	48.7	46.4	21.5	—	—	58.8
8	65.0	70.7	78.5	70.1	51.5	63.8	48.9	29.3	12.6	—	—	43.1
9	55.2	54.4	57.3	52.8	34.8	33.6	30.9	11.3	5.1	—	—	28.7
10	34.8	43.0	36.9	30.2	18.6	11.9	14.3	5.3	— 1.0	—	—	19.8
11	30.8	25.7	27.9	24.8	14.8	17.9	17.7	8.0	— 6.7	—	—	18.8
12	25.4	19.8	23.2	20.2	12.1	18.8	20.3	9.9	—16.1	—	—	17.0
1 p. m.	23.1	29.2	27.3	20.8	11.9	18.1	19.3	4.7	—18.6	—	—	10.2
2	24.8	24.1	24.2	24.9	11.7	12.6	15.8	3.2	—29.6	—	—	9.0
3	28.4	25.2	32.8	27.6	10.9	20.0	17.6	3.5	—28.9	—	—	22.7
4	28.5	39.3	38.9	29.7	12.3	18.7	15.9	6.6	—17.7	—	—	29.3
5	34.1	29.2	51.1	37.9	23.7	40.6	22.5	16.4	— 7.1	—	—	32.1
6	56.4	44.5	71.5	96.6	41.4	49.1	33.6	17.4	3.7	—	—	50.0
7	84.3	85.1	99.0	93.4	59.0	68.9	47.7	40.4	26.9	—	—	58.2
8	87.6	91.3	98.6	93.6	70.3	68.1	64.3	47.4	32.0	—	—	65.0
9	91.5	91.2	92.4	93.8	77.9	65.0	66.5	50.1	44.8	—	—	62.5
10	84.2	83.9	92.0	77.0	79.5	58.3	65.0	54.5	53.6	—	—	56.5
11	89.6	74.8	93.7	78.7	73.9	57.0	59.3	59.3	54.1	—	—	50.1
12	76.6	70.3	82.4	69.3	66.7	49.8	58.8	51.5	48.1	—	—	53.4
Monthly Means.	55.50	55.82	65.74	57.62	42.48	42.39	37.40	30.21	17.53	—	—	35.99

TABLE 9A. Mean Electrical Potential of the Atmosphere on Non-Rainy Hours in 1891.

In Volts.

Hours of mean Batavia Time.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1 a. m.	69.4	71.5	79.3	62.7	61.2	51.8	45.6	49.0	51.3	—	—	40.7
2	58.7	67.2	82.2	62.6	52.9	48.4	42.2	45.2	46.4	—	—	31.6
3	59.4	67.5	76.0	63.6	48.8	41.9	34.0	46.6	40.6	—	—	27.6
4	50.3	56.3	79.3	60.7	46.3	40.7	32.0	41.2	37.0	—	—	25.6
5	52.3	57.4	70.2	58.5	43.0	42.2	35.7	39.8	37.5	—	—	26.5
6	57.2	54.5	73.7	58.3	41.9	48.0	35.4	38.0	31.1	—	—	38.2
7	73.3	79.5	96.0	83.1	54.5	72.9	50.5	46.4	21.5	—	—	62.0
8	65.0	72.2	78.5	70.3	51.5	63.8	49.1	29.3	12.6	—	—	48.8
9	55.2	51.7	55.8	52.8	34.8	33.6	30.9	11.3	5.1	—	—	27.9
10	32.0	33.5	36.9	30.2	18.6	11.9	14.3	5.3	— 1.0	—	—	22.1
11	28.9	26.4	27.9	24.7	14.8	17.9	17.7	8.0	— 6.7	—	—	19.6
12	21.7	20.0	21.6	20.2	12.1	18.8	20.3	9.9	—16.1	—	—	17.6
1 p. m.	23.1	24.2	27.3	20.8	11.6	16.1	19.3	4.7	—18.6	—	—	9.4
2	24.8	19.6	24.5	23.2	11.7	15.2	15.8	3.2	—29.6	—	—	9.7
3	25.9	25.2	32.8	26.2	10.9	20.0	17.6	3.5	—28.9	—	—	22.7
4	27.1	30.4	35.0	29.7	12.3	18.7	15.9	6.6	—17.7	—	—	23.9
5	35.5	29.2	48.3	37.9	23.7	40.6	22.5	16.4	— 7.1	—	—	30.5
6	55.4	47.5	68.6	80.4	41.4	49.1	33.6	16.5	3.7	—	—	48.7
7	85.2	87.5	99.0	83.1	59.0	68.9	47.7	40.4	28.9	—	—	59.9
8	87.7	91.3	98.6	96.0	70.3	68.1	64.3	47.4	32.0	—	—	69.1
9	91.5	92.1	97.7	93.8	77.9	66.7	66.5	50.1	44.8	—	—	64.9
10	86.1	89.0	94.1	79.6	82.2	61.4	65.0	56.1	53.6	—	—	53.9
11	87.0	77.1	93.7	81.7	75.9	60.0	62.9	59.3	54.1	—	—	53.7
12	77.6	73.0	85.1	71.0	66.7	53.6	55.6	51.5	48.1	—	—	51.4
Monthly Means.	55.43	55.99	65.92	57.13	42.67	42.93	37.27	30.24	17.61	—	—	36.92

TABLE 10. Absolute Maxima and Minima in 1891.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.		Velocity of the wind. k. p. h.
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Maximum.
January	761.67	753.63	31.1	21.2	974	559	24.18	17 57	14.5
February	763.11	753.74	30.6	21.6	982	566	23.44	16.54	18.5
March	761.63	755.67	31.6	22.3	982	559	23.96	18.51	16.9
April	761.84	755.71	31.6	22.3	982	570	23.96	18.32	15.3
May	761.34	755.92	32.4	21.7	974	506	24.20	16.64	19.3
June	761.65	756.27	31.3	21.5	966	490	23.70	15.00	16.1
July	762.46	756.03	31.9	20.6	966	460	22.54	13 47	16.9
August	762.32	757.25	31.6	19.7	965	417	22.52	13.03	20.1
September	762.86	756.37	33.7	20.8	911	382	22 22	13.57	27.3
October	762.34	755.41	35.0	21.6	911	248	25.20	9.65	28.1
November	762.04	755.45	32.7	23.0	957	474	23.13	17.03	20 9
December	761.88	755.87	31.6	22.8	982	490	23.95	16 46	17.7
Year	763.11	753.63	35.0	19.7	982	248	25.20	9.65	28.1

TABLE 11. Maxima and Minima of daily Means in 1891.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000		Tension of the atmospheric vapour in millimetres.		Velocity of the wind. k. p. h.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January	759 97	755.42	26.86	24.60	918	765	21.43	19.22	4.82	1.47
February	761.71	755.28	26.47	24.30	932	769	21.76	18.40	5.13	2.07
March	760.04	757.40	26.61	24.72	903	787	21.44	19.93	6.27	1.33
April	760.42	757.27	27.26	25.35	909	804	22.36	19 79	4.49	0.93
May	759.64	757.49	27.69	25.81	897	730	22.20	19.21	5.30	1.30
June	760.27	757.89	27.33	25.02	883	728	22.24	17.76	6.10	1.30
July	760.70	757.72	26.58	24.46	835	681	20.56	16.50	6.41	2.44
August	760.75	759.40	26.58	24.57	893	661	20.91	15 00	6.33	2 77
September	761.08	758.71	28.17	25.70	757	618	19.85	15 56	10.85	3.85
October	760.90	757.52	28.48	26.60	775	597	20.50	16.58	8.64	4.25
November	760.02	757.22	28.06	25.25	884	697	21.24	19.22	6.23	1.17
December	760.32	758.16	28.01	24.10	934	751	21.95	19.30	5.46	0.90
Year	761.71	755.28	28.48	24.10	934	597	22.36	15.00	10.85	0.90

TABLE 12. Maxima and Minima of Oscillation or Range in 1891.

	Barometric pressure in millimetres.		Temperature of the air. Centesimal degrees.		Relative humidity of the air. Saturation = 1000.		Tension of the atmospheric vapour in millimetres.	
	Max.	Min.	Max.	Min.	Max.	Miu.	Max.	Min.
January	3.74	2.54	7.7	3.8	364	180	4.87	1.30
February	4.00	2.37	8.1	3.1	337	158	4.00	1.48
March	4.39	2.54	8.8	5.0	378	184	4.31	1.52
April	4.01	2.68	7.9	4 2	368	159	4.31	1.74
May	4.03	2.01	9.8	3.7	431	134	6 01	1.64
June	3.53	2.32	9.0	3.9	414	152	5.74	1.74
July	3.94	2.27	9.7	6.2	451	258	6 18	1.95
August	3 64	2.54	10.6	5.8	491	270	5.44	1.89
September	4.54	2 69	11.5	5.9	480	204	7 26	1.98
October	4 32	2.55	11.4	6.4	567	230	10.80	2.19
November	5.00	2.70	8.9	5.1	453	255	4.64	1.07
December	3.91	2.51	8.3	2.8	431	157	5.60	1.55
Year	5.00	2.01	11.5	2.8	567	134	10 80	1.07

TABLE 13. Mean daily Oscillation or Range in 1891.

	Barometric pressure in millimetres.	Temperature of the air. Centesimal degrees.	Relative humidity of the air. Saturation = 1000	Tension of the atmospheric vapour in millimetres.
January	3.20	5.86	261	2.76
February	3.19	5.80	273	2.88
March	3.17	6.48	289	2.74
April	3.20	6.47	293	3.06
May	2.98	7.23	333	3.30
June	2.94	7.09	322	3.49
July	3.11	7.89	369	3.76
August	3.13	8.26	369	3.59
September	3.50	8.69	356	3.99
October	3.41	8.29	352	4.16
November	3.42	7.18	346	3.18
December	3.24	6.08	287	2.82
Year	3.21	7.11	321	3.31

TABLE 14. Deviations of the Mean Monthly and Annual Values in 1891 from the average values for the years 1866—1891.

	Barometric pressure in millimetres.	Temperature of the air. Centesimal degrees.	Relative humidity. Saturation = 1000.	Tension of the atmospheric vapour in millimetres.	Cloudiness.
January	—0.40	0.27	— 30	—0.34	0.14
February	1.03	—0.01	— 15	—0.45	0.03
March	0.10	—0.11	— 15	—0.56	0.03
April	0.79	—0.01	— 7	—0 24	0 28
May	0.21	0.62	— 43	—0.46	—1.34
June	0.32	0.47	— 31	—0.28	—0.93
July	0.21	0.17	— 48	—1.07	—0.61
August	1.00	—0.36	— 31	—1.17	—0 24
September	0.78	0.34	— 69	—1.38	—0.82
October	—0.09	1.08	— 86	—0.90	—1.37
November	0.29	0.85	— 50	—0 32	—0.49
December	0.89	0.39	— 4	0.34	—0.22
Year	0.43	0.31	— 36	—0 57	—0.50

N. B. The average values of the cloudiness have been deduced from the twelve-yearly series 1880—1891.

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RESULTS OF MAGNETICAL OBSERVATIONS

BATAVIA

1891.

TABLE 15. Values of the Zero-line in absolute measure.

1891.	Adie's Magnetograph.			Wild's Magnetometers.		
	Easterly Declination.	Horizontal Force in c. g. s.	Vertical Force in c. g. s.	Easterly Declination.	Horizontal Force in c. g. s.	Vertical Force in c. g. s.
January	1° — 1′.46	0.36911	0.20599	1° — 44′.50	0.37155	0.20336
February	1° — 0′.87	0.36929	0.20937 R	1° — 44.08	0.37181	0.20356
March	1° — 0′.82	0.36946	0 20847	1° — 44′.42	0.37210	0.20378
April	1° — 0′.54	0.36792 R	0.20827	1° — 44′.18	0,37236	R
May	1° — 0′.51	0.36792	0.20807	1° — 44′.08	0 37249	0.20447
June	1° — 0′.13	0.36792	0.20807	1° — 43′.88	0.37132 R	0 20485
July	0° — 59′.72	0.36795	0.20802	1° — 43′.56	0.37154	0.20488
August	0° — 59′.03	0 36806	0.20792	1° — 43′.19	0.37167	0.20502
September	1° — 0′.03	0.36812	0.20778	1° — 43′.17	0.37217	0.20487
October	1° — 0′.02	0.36819	0.20767	1° — 35′.01 R	0.37102 R	0.20360 R
November	1° — 0′.21*	0.36835*	0.20778*	?	?	?
December	1° — 0′.39	0.36850	0.20788	1° — 35′.86	0.37148	0.20405

N. B. The letter R denotes that the instrument has been readjusted.

* By Interpolation.

TABLE 16. Monthly Means in absolute measure.

Minutes of arc and c. g. s. unity.

1891.	E. Declination.	Horizontal Force.	Vertical Force.	Total Force.	S. Inclination.
January	1° — 39′.57	0.371564	0.204067	0.423915	28° — 46′.56
February	1° — 39′.24	0.371601	0.204545	0.424177	28° — 49′.81
March	1° — 39′.47	0.371578	0.204408	0.424091	28° — 48′.93
April	1° — 39′.11	0.371512	0.204493	0.424074	28° — 49′.79
May	1° — 39′.06	0.371390	0.204613	0.424025	28° — 51′.12
June	1° — 38′.52	0.371505	0.204578	0.424110	28° — 50′.42
July	1° — 37′.84	0.371495	0.204669	0.424144	28° — 51′.10
August	1° — 37′.76	0.371529	0.204612	0.424147	28° — 50′.57
September	1° — 37′.91	0.371369	0.204679	0.424039	28° — 51′.67
October	1° — 37′.81	0.371315	0.204837	0.424068	28° — 53′.00
November	1° — 37′.62	0.371415	0.205068	0.424267	28° — 54′.25
December	1° — 37′.06	0.371638	0.204967	0.424413	28° — 52′.66
Year	1° — 38′.42	0.371493	0.204628	0.424123	28° — 50′.82

TABLE 17. Mean diurnal variation of Easterly Declination for each month of the year 1891.

Uncorrected for disturbances; minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 0.21	— 0.13	— 0.16	— 0.01	0.04	— 0.47	— 0.21	— 0.27	— 0.26	— 0.14	— 0.30	— 0.35	— 0.18
2	— 0.17	— 0.08	— 0.22	0.24	0.23	0.02	0.03	— 0.14	— 0.12	0.06	— 0.04	— 0.10	— 0.02
3	— 0.26	— 0.08	— 0.14	0.27	0.21	0.06	0.10	— 0.09	0.11	0.15	— 0.06	— 0.11	0.02
4	— 0.34	— 0.05	— 0.13	0.21	0.35	0.25	0.23	0.14	0.20	— 0.02	— 0.25	— 0.37	0.02
5	— 0.44	— 0.19	— 0.25	0.17	0.34	0.33	0.40	0.33	0.36	— 0.01	— 0.39	— 0.41	0.02
6	— 0.89	— 0.64	— 0.36	0.47	0.59	0.49	0.56	0.71	0.94	— 0.13	— 1.07	— 1.00	— 0.05
7	— 1.57	— 1.78	— 0.80	0.01	0.94	0.96	1.22	1.10	0.55	— 1.16	— 1.98	— 1.78	— 0.35
8	— 1.71	— 2.55	— 1.86	— 1.22	0.08	0.31	0.39	0.09	— 1.02	— 2.25	— 2.63	— 2.20	— 1.21
9	— 1.47	— 2.23	— 1.97	— 1.63	— 1.00	— 0.45	— 0.69	— 1.07	— 2.08	— 2.49	— 2.53	— 2.11	— 1.64
10	— 1.12	— 1.48	— 1.26	— 1.16	— 1.36	— 0.74	— 1.22	— 1.43	— 2.23	— 1.99	— 1.66	— 1.49	— 1.42
11	— 0.56	— 0.33	— 0.28	— 0.47	— 1.41	— 0.83	— 1.35	— 1.43	— 1.78	— 0.87	— 0.35	— 0.63	— 0.85
12	0.21	0.57	0.72	0.03	— 1.14	— 0.59	— 1.06	— 1.07	— 0.78	0.42	0.95	0.44	— 0.10
1 p. m.	0.91	1.02	1.38	0.21	— 0.54	— 0.29	— 0.57	— 0.59	— 0.10	1.38	2.09	1.55	0.54
2	1.49	1.41	1.38	0.35	0.26	0.24	— 0.02	0.09	0.72	1.60	2.43	1.82	0.96
3	1.41	1.44	1.25	0.69	0.77	0.68	0.66	0.80	1.47	1.59	2.25	1.91	1.25
4	1.16	1.21	0.79	0.80	1.00	0.72	0.94	1.17	1.46	1.15	1.61	1.71	1.15
5	0.91	1.04	0.69	0.70	0.89	0.48	0.92	1.18	1.18	0.87	1.08	1.28	0.94
6	0.74	0.80	0.60	0.41	0.49	0.06	0.34	0.62	0.80	0.92	0.70	0.92	0.62
7	0.72	0.59	0.40	0.31	0.28	— 0.15	0.13	0.36	0.59	0.86	0.59	0.88	0.47
8	0.61	0.57	0.21	0.24	0.06	— 0.14	0.04	0.18	0.44	0.36	0.28	0.49	0.28
9	0.53	0.44	0.13	— 0.02	— 0.20	— 0.33	— 0.13	— 0.06	0.15	0.07	0.10	0.28	0.08
10	0.30	0.31	— 0.01	— 0.09	— 0.40	— 0.32	— 0.24	— 0.17	— 0.07	— 0.09	— 0.07	— 0.08	— 0.07
11	0.18	0.23	0.03	— 0.03	— 0.30	— 0.28	— 0.23	— 0.21	— 0.17	— 0.10	— 0.20	— 0.24	— 0.11
12	— 0.10	0.00	— 0.07	— 0.09	— 0.28	— 0.23	— 0.29	— 0.34	— 0.28	— 0.18	— 0.43	— 0.47	— 0.23
Total amount of variation.	17.71	19.17	15.09	9.53	13.16	9.12	11.97	13.64	17.86	18.86	24.04	22.62	12.58

TABLE 18. Mean diurnal variation of Horizontal Force for each month of the year 1891.

Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 9.9	— 8.6	— 12.5	— 11.6	— 11.8	— 11.2	— 12.3	— 11.4	— 10.6	— 13.3	— 8.5	— 12.0	— 11.2
2	— 10.1	— 10.8	— 8.6	— 8.8	— 6.8	— 9.7	— 11.5	— 10.4	— 8.7	— 11.5	— 7.6	— 10.2	— 9.6
3	— 9.0	— 9.0	— 9.5	— 8.3	— 5.9	— 8.1	— 10.1	— 9.2	— 8.1	— 7.8	— 8.1	— 9.3	— 8.6
4	— 7.1	— 7.7	— 8.2	— 7.0	— 3.8	— 6.2	— 7.6	— 8.1	— 5.2	— 7.0	— 6.0	— 5.8	— 6.7
5	— 7.7	— 6.4	— 6.2	— 5.0	— 1.8	— 5.6	— 6.9	— 5.4	— 4.0	— 5.6	— 5.3	— 5.3	— 5.5
6	— 4.8	— 2.7	— 5.4	— 2.1	3.2	— 1.2	— 1.4	0.9	— 0.4	— 3.4	— 0.8	— 1.4	— 1.7
7	0.0	1.5	— 1.2	4.3	13.0	7.3	6.6	9.6	10.5	4.2	4.0	5.1	5.4
8	7.0	11.8	10.9	13.9	18.6	15.9	16.0	21.4	24.4	16.4	10.2	12.3	14.9
9	17.6	21.7	24.3	22.4	28.6	22.7	26.2	29.6	34.2	26.7	19.4	21.3	24.5
10	27.1	29.9	31.5	30.9	31.8	27.6	32.7	34.1	42.0	34.4	27.5	27.4	31.4
11	31.2	29.3	37.8	35.4	32.3	28.8	35.1	34.8	42.3	38.6	31.9	31.9	34.1
12	26.6	24.4	35.6	33.0	28.0	25.5	31.5	26.9	35.0	35.9	28.5	29.9	30.0
1 p. m.	18.7	14.6	24.3	24.0	20.3	15.7	21.1	19.2	25.5	22.9	19.1	20.4	20.4
2	11.5	4.8	11.5	14.0	11.7	7.8	12.6	9.6	10.0	10.8	10.1	12.2	10.5
3	2.6	— 3.7	2.1	0.1	2.3	1.2	— 0.7	— 0.4	— 7.5	0.9	1.3	3.0	0.1
4	— 4.6	— 8.1	— 6.7	— 10.4	— 8.9	— 4.6	— 8.9	— 11.5	— 14.9	— 8.9	— 6.6	— 4.5	— 8.3
5	— 8.1	— 8.7	— 13.0	— 11.7	— 15.9	— 9.8	— 13.4	— 15.1	— 19.6	— 15.2	— 10.7	— 9.0	— 12.6
6	— 11.2	— 7.3	— 13.8	— 15.0	— 17.5	— 12.3	— 14.6	— 17.3	— 20.1	— 18.5	— 14.3	— 13.1	— 14.6
7	— 11.2	— 9.1	— 16.9	— 17.7	— 20.8	— 11.6	— 15.1	— 16.3	— 22.1	— 19.2	— 13.6	— 15.1	— 15.8
8	— 10.5	— 11.6	— 15.6	— 20.3	— 20.9	— 13.9	— 16.4	— 16.2	— 26.0	— 19.3	— 15.4	— 14.9	— 16.8
9	— 12.6	— 10.3	— 17.3	— 18.1	— 22.9	— 16.6	— 16.2	— 16.1	— 22.5	— 15.8	— 15.5	— 17.1	— 16.8
10	— 10.1	— 11.2	— 14.5	— 15.2	— 20.4	— 15.6	— 16.5	— 17.2	— 19.6	— 15.1	— 16.5	— 16.0	— 15.7
11	— 12.5	— 12.0	— 15.3	— 14.2	— 16.9	— 14.1	— 16.8	— 16.8	— 18.0	— 15.2	— 12.9	— 17.2	— 15.2
12	— 12.6	— 11.4	— 14.2	— 11.9	— 14.8	— 11.7	— 13.8	— 14.3	— 17.3	— 14.1	— 9.8	— 13.0	— 13.3
Total amount of variation.	284.3	276.6	356.9	355.3	378.9	304.7	364.0	371.8	448.5	380.7	303.6	327.4	343.7

TABLE 19. Mean diurnal variation of Vertical Force for each month of the year 1891.

Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	7.6	7.4	9.2	5.8	3.6	5.7	6.6	6.0	3.9	6.7	5.3	7.6	6.3
2	6.8	8.0	5.8	2.9	0.3	4.3	5.4	5.2	3.2	6.0	5.1	6.7	5.0
3	5.3	5.6	5.2	2.5	0.0	3.0	3.7	3.2	2.8	3.8	5.2	5.4	3.8
4	4.2	4.2	4.4	2.0	— 0.1	2.2	2.3	2.9	1.0	3.0	4.1	2.9	2.8
5	4.0	2.9	2.8	1.6	— 1.3	1.9	1.8	0.8	0.4	2.5	4.0	3.0	2.0
6	5.5	4.0	3.6	— 0.9	— 6.4	— 2.5	— 3.2	— 4.9	— 2.3	4.0	6.6	4.5	0.7
7	3.5	6.5	5.3	0.4	— 8.2	— 7.3	— 7.9	— 7.7	— 0.1	8.0	7.5	2.3	0.2
8	— 4.4	— 0.9	— 1.3	— 2.6	— 4.6	— 8.3	— 7.0	— 8.5	— 1.5	2.4	4.6	— 1.8	— 2.8
9	— 15.2	— 14.6	— 16.9	— 12.1	— 9.7	— 12.2	— 11.4	— 12.2	— 10.9	— 8.6	— 5.9	— 8.5	— 11.5
10	— 24.2	— 25.9	— 30.2	— 24.0	— 12.9	— 15.5	— 15.9	— 15.9	— 20.8	— 21.2	— 18.1	— 15.4	— 20.0
11	— 30.2	— 30.6	— 39.0	— 30.2	— 16.0	— 18.9	— 18.2	— 16.7	— 27.0	— 35.9	— 29.6	— 23.2	— 26.3
12	— 29.2	— 27.9	— 38.1	— 26.6	— 18.1	— 18.7	— 18.0	— 13.5	— 24.9	— 40.7	— 33.3	— 28.1	— 26.4
1 p. m.	— 24.2	— 20.8	— 27.0	— 17.0	— 18.5	— 14.2	— 16.7	— 11.7	— 19.1	— 29.5	— 26.3	— 22.4	— 20.6
2	— 14.6	— 11.0	— 11.2	— 9.8	— 15.6	— 11.9	— 13.4	— 8.9	— 11.7	— 14.3	— 15.6	— 14.3	— 12.7
3	— 3.3	— 3.5	— 0.7	— 1.9	— 8.2	— 7.6	— 7.4	— 7.0	— 2.9	— 1,9	— 4.7	— 7.4	— 4.7
4	6.9	0.8	8.0	6.8	2.5	0.9	— 0.2	— 2.1	4.7	8.5	4.5	0.0	3.4
5	12.0	5.0	13.3	11.5	12.9	10.3	8.3	5.9	11.2	13.0	10.3	6.5	10.0
6	14.2	8.2	14.7	14.5	17.1	16.0	14.7	13.6	14.2	14.9	12.1	11.1	13.8
7	12.7	11.1	16.8	15.5	16.5	13.5	13.8	12.9	14.6	15.4	11.6	11.9	13.9
8	12.2	14.0	17.3	14.3	18.0	14.4	14.9	13.2	17.0	15.9	12.1	11.7	14.6
9	13.1	13.6	16.5	15.4	16.7	14.9	14.2	12.9	14.4	14.4	12.6	13.3	14.3
10	12.4	14.7	15.6	12.8	14.3	13.2	13.5	13.0	12.9	12.9	12.3	12.3	13.3
11	12.8	15.1	14.9	11.0	9.9	10.3	11.8	11.1	10.9	11.7	9.7	12.0	11.8
12	11.8	13.2	12.1	8.1	7.0	7.0	8.2	8.5	10.0	9.1	6.2	8.7	9.2
Total amount of variation.	290.3	269.5	329.9	250.2	238.4	234.7	238.5	218.3	242.4	304.3	267.3	241.0	250.1

TABLE 20. Mean diurnal variation of Southerly Inclination for each month of the year 1891.

Uncorrected for disturbances, minutes of arc.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	0.92	0.86	1.14	0.86	0.71	0.84	0.95	0.87	0.69	1.00	0.72	1.01	0.89
2	0.88	0.99	0.74	0.55	0.28	0.68	0.84	0.77	0.56	0.88	0.67	0.87	0.73
3	0.73	0.75	0.74	0.50	0.23	0.53	0.66	0.58	0.51	0.58	0.70	0.75	0.61
4	0.57	0.60	0.63	0.41	0.14	0.40	0.46	0.52	0.27	0.49	0.53	0.43	0.46
5	0.58	0.45	0.44	0.31	— 0.03	0.35	0.40	0.26	0.18	0.40	0.49	0.42	0.36
6	0.58	0.39	0.46	0.02	— 0.58	— 0.13	— 0.17	— 0.39	— 0.15	0.42	0.51	0.37	0.12
7	0.25	0.40	0.42	— 0.14	— 1.09	— 0.80	— 0.82	— 0.93	— 0.42	0.41	0.39	— 0.03	— 0.20
8	— 0.59	— 0.53	— 0.52	— 0.72	— 1.06	— 1.21	— 1.11	— 1.44	— 1.06	— 0.47	— 0.06	— 0.61	— 0.78
9	— 1.77	— 1.89	— 2.15	— 1.74	— 1.81	— 1.76	— 1.83	— 2.03	— 2.11	— 1.65	— 1.18	— 1.44	— 1.77
10	— 2.78	— 3.01	— 3.38	— 2.92	— 2.16	— 2.18	— 2.40	— 2.47	— 3.12	— 2.84	— 2.36	— 2.16	— 2.65
11	— 3.37	— 3.32	— 4.25	— 3.53	— 2.40	— 2.47	— 2.66	— 2.55	— 3.57	— 4.06	— 3.35	— 2.89	— 3.20
12	— 3.11	— 2.94	— 4.10	— 3.18	— 2.38	— 2.33	— 2.51	— 2.01	— 3.14	— 4.29	— 3.48	— 3.16	— 3.05
1 p. m.	— 2.45	— 2.05	— 2.87	— 2.15	— 2.01	— 1.62	— 2.01	— 1.58	— 2.36	— 2.99	— 2.61	— 2.39	— 2.26
2	— 1.49	— 0.97	— 1.25	— 1.24	— 1.57	— 1.15	— 1.44	— 1.01	— 1.22	— 1.44	— 1.50	— 1.49	— 1.21
3	— 0.24	— 0.11	— 0.04	— 0.14	— 0.68	— 0.59	— 0.49	— 0.49	0.08	— 0.17	— 0.38	— 0.64	— 0.34
4	0.67	0.37	0.83	0.89	0.52	0.24	0.34	0.30	0.91	0.95	0.59	0.28	0.57
5	1.17	0.69	1.45	1.27	1.53	1.11	1.12	1.01	1.56	1.52	1.16	0.81	1.20
6	1.44	0.87	1.58	1.61	1.90	1.62	1.62	1.64	1.79	1.78	1.43	1.30	1.55
7	1.34	1.14	1.85	1.79	1.98	1.41	1.57	1.55	1.90	1.84	1.37	1.44	1.61
8	1.28	1.45	1.83	1.81	2.09	1.56	1.70	1.57	2.22	1.88	1.47	1.42	1.69
9	1.42	1.37	1.84	1.80	2.08	1.71	1.65	1.54	1.90	1.64	1.51	1.62	1.67
10	1.27	1.48	1.67	1.50	1.81	1.55	1.61	1.59	1.68	1.51	1.53	1.50	1.56
11	1.40	1.54	1.65	1.33	1.36	1.28	1.50	1.44	1.48	1.42	1.20	1.53	1.43
12	1.33	1.38	1.41	1.04	1.07	0.95	1.13	1.16	1.38	1.20	0.83	1.13	1.17
Total amount of variation.	31.63	29.55	37.24	31.45	31.47	28.47	30.99	29.70	34.26	35.83	30.02	29.69	31.08

TABLE 21. Mean diurnal variation of Total Force for each month of the year 1891.

Uncorrected for disturbances. Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 5.0	— 3.9	— 6.5	— 7.3	— 8.6	— 7.2	— 7.6	— 7.1	— 7.4	— 8.5	— 4.9	— 6.8	— 6.8
2	— 5.6	— 5.6	— 4.7	— 6.3	— 5.8	— 6.5	— 7.4	— 6.6	— 6.1	— 7.2	— 4.2	— 5.7	— 6.0
3	— 5.4	— 5.1	— 5.8	— 6.0	— 5.1	— 5.7	— 7.0	— 6.6	— 5.8	— 5.0	— 4.6	— 5.5	— 5.7
4	— 4.2	— 4.7	— 5.0	— 5.1	— 3.3	— 4.5	— 5.5	— 5.7	— 4.1	— 4.7	— 3.3	— 3.7	— 4.5
5	— 4.9	— 4.2	— 4.1	— 3.6	— 2.2	— 4.1	— 5.1	— 4.4	— 3.3	— 3.7	— 2.7	— 3.2	— 3.9
6	— 1.6	— 0.4	— 3.0	— 2.2	— 0.2	— 2.3	— 2.7	— 1.6	— 1.5	— 1.1	2.4	1.0	— 1.2
7	1.6	4.5	1.5	4.0	7.5	2.8	2.0	4.7	9.1	7.5	7.1	5.6	4.8
8	4.0	9.9	8.9	11.0	14.1	9.8	10.7	14.6	20.6	15.5	11.1	9.9	11.7
9	8.0	12.0	13.2	13.8	20.4	13.9	17.5	20.0	24.7	19.2	14.1	14.6	15.9
10	12.0	13.7	13.1	15.5	21.7	16.6	21.0	22.2	26.7	19.9	15.3	16.6	17.8
11	12.7	10.9	14.3	16.5	20.6	16.0	22.0	22.4	24.0	16.5	13.6	16.8	17.2
12	9.2	8.0	12.8	16.1	15.8	13.2	18.9	17.0	18.6	11.8	8.9	12.7	13.5
1 p. m.	4.7	2.8	8.3	12.9	8.9	6.8	10.5	11.1	13.1	5.8	4.0	7.1	7.9
2	3.0	— 1.1	4.7	7.6	2.8	1.0	4.6	4.1	3.1	2.5	1.3	3.8	3.1
3	0.6	— 4.9	1.5	— 0.8	— 1.9	— 2.7	— 4.2	— 3.8	— 8.0	— 0.1	— 1.2	— 0.9	— 2.2
4	— 0.8	— 6.7	— 2.0	— 5.8	— 6.6	— 3.7	— 7.9	— 11.1	— 10.8	— 3.7	— 3.6	— 3.9	— 5.7
5	— 1.4	— 5.2	— 5.0	— 4.7	— 7.7	— 3.7	— 7.7	— 10.4	— 11.8	— 7.1	— 4.5	— 4.7	— 6.2
6	— 3.0	— 2.4	— 5.0	— 6.1	— 7.1	— 3.1	— 5.7	— 8.6	— 10.8	— 9.1	— 6.7	— 6.1	— 6.2
7	— 3.7	— 2.6	— 6.7	— 8.0	— 10.2	— 3.7	— 6.5	— 8.1	— 12.4	— 9.4	— 6.4	— 7.5	— 7.2
8	— 3.4	— 3.4	— 5.3	— 10.9	— 9.6	— 5.3	— 7.1	— 7.9	— 14.6	— 9.3	— 7.7	— 7.4	— 7.7
9	— 4.8	— 2.4	— 7.2	— 8.4	— 12.0	— 7.4	— 7.3	— 7.9	— 12.8	— 6.9	— 7.5	— 8.5	— 7.8
10	— 2.9	— 2.7	— 5.2	— 7.1	— 10.9	— 7.4	— 7.9	— 8.8	— 11.0	— 7.0	— 8.6	— 8.1	— 7.4
11	— 4.8	— 3.2	— 6.2	— 7.1	— 10.0	— 7.5	— 9.0	— 9.4	— 10.5	— 7.7	— 6.7	— 9.2	— 7.6
12	— 5.4	— 3.6	— 6.6	— 6.5	— 9.6	— 7.0	— 8.1	— 8.5	— 10.4	— 8.0	— 5.6	— 7.2	— 7.2
Total amount of variation.	112.7	123.9	156.6	193.3	222.6	161.9	213.9	232.6	281.2	197.2	156.0	176.5	185.2

TABLE 22. Mean diurnal variation of Declination in the year 1891.

Observed by means of Wild's magnetometer.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	— 0.04	— 0.06	— 0.15	— 0.01	0.07	— 0.09	— 0.20	— 0.27	— 0.23	— 0.01	— 0.14	— 0.19	— 0.11
2	— 0.10	— 0.08	— 0.24	0.23	0.22	— 0.02	— 0.04	— 0.13	— 0.20	— 0.03	— 0.17	— 0.14	— 0.06
3	— 0.24	— 0.05	— 0.20	0.27	0.22	0.00	0.05	— 0.09	0.10	0.03	— 0.46	— 0.20	— 0.05
4	— 0.39	— 0.13	— 0.25	0.18	0.25	0.10	0.10	0.08	0.08	— 0.06	— 0.55	— 0.36	— 0.08
5	— 0.51	— 0.19	— 0.34	0.12	0.30	0.22	0.27	0.27	0.30	— 0.05	— 0.42	— 0.39	— 0.04
6	— 0.96	— 0.64	— 0.36	0.13	0.57	0.39	0.44	0.67	0.93	— 0.06	— 1.18	— 0.87	— 0.08
7	— 1.60	— 1.75	— 0.86	— 0.03	1.00	0.90	1.00	1.14	0.58	— 1.07	— 2.05	— 1.69	— 0.37
8	— 1.53	— 2.48	— 1.71	— 1.00	0.26	0.44	0.54	0.29	— 0.74	— 2.03	— 2.36	— 2.03	— 1.03
9	— 1.31	— 2.20	— 1.88	— 1.47	— 0.86	— 0.30	— 0.49	— 0.88	— 1.89	— 2.30	— 2.34	— 1.99	— 1.49
10	— 0.91	— 1.42	— 1.19	— 1.13	— 1.31	— 0.66	— 1.40	— 1.37	— 2.11	— 2.08	— 1.71	— 1.53	— 1.38
11	— 0.38	— 0.36	— 0.24	— 0.43	— 1.36	— 0.75	— 1.25	— 1.36	— 1.65	— 1.10	— 0.53	— 0.88	— 0.86
12	0.41	0.41	0.73	0.06	— 1.16	— 0.61	— 1.08	— 1.10	— 0.78	0.37	0.96	0.34	— 0.12
1 p. m.	1.00	1.02	1.36	0.21	— 0.53	— 0.30	— 0.57	— 0.64	— 0.12	1.40	2.08	1.40	0.53
2	1.27	1.38	1.39	0.33	0.21	0.20	0.00	0.02	0.62	1.62	2.47	1.79	0.94
3	1.24	1.46	1.30	0.71	0.75	0.64	0.62	0.69	1.33	1.58	2.33	1.95	1.22
4	1.07	1.34	0.95	0.94	1.15	0.80	1.11	1.29	1.51	1.31	1.89	1.88	1.27
5	0.84	1.08	0.75	0.74	0.98	0.54	1.02	1.24	1.05	0.96	1.21	1.40	0.98
6	0.62	0.78	0.65	0.39	0.45	0.03	0.32	0.64	0.71	0.75	0.68	0.74	0.56
7	0.62	0.59	0.43	0.24	0.18	— 0.17	0.14	0.38	0.56	0.61	0.44	0.67	0.39
8	0.47	0.51	0.17	0.11	— 0.13	— 0.22	— 0.02	0.16	0.33	0.35	0.30	0.48	0.21
9	0.38	0.33	— 0.01	— 0.16	— 0.21	— 0.35	— 0.19	— 0.14	0.13	0.02	0.04	0.22	0.01
10	0.13	0.26	— 0.10	— 0.22	— 0.44	— 0.33	— 0.24	— 0.22	— 0.09	— 0.06	— 0.07	— 0.09	— 0.12
11	0.04	0.13	— 0.15	— 0.18	— 0.36	— 0.30	— 0.28	— 0.35	— 0.19	— 0.10	— 0.19	— 0.19	— 0.18
12	— 0.10	0.04	— 0.03	— 0.05	— 0.25	— 0.16	— 0.19	— 0.34	— 0.21	— 0.06	— 0.24	— 0.31	— 0.16
Total amount of variation.	16.16	18.69	15.44	9.34	13.22	8.52	11.26	13.76	16.44	18.01	24.81	21.73	12.24

TABLE 23. Mean diurnal variation of Horizontal Force in the year 1891.

Observed by means of Wild's magnetometer.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	−9.7	−8.4	−11.7	−10.4	−11.2	−10.2	−11.1	−10.0	−9.8	−12.8	−7.0	−8.3	−10.1
2	−9.3	−10.1	−7.0	−6.9	−6.6	−8.2	−9.7	−9.3	−7.0	−10.1	−6.0	−7.4	−8.1
3	−8.4	−8.1	−8.4	−6.8	−5.3	−6.9	−8.2	−7.6	−6.4	−6.2	−5.8	−6.5	−7.1
4	−6.3	−6.3	−7.0	−4.5	−3.0	−5.1	−5.7	−6.2	−4.4	−6.1	−4.5	−3.7	−5.2
5	−6.4	−5.0	−4.7	−3.0	0.7	−3.6	−4.6	−3.4	−2.3	−4.4	−4.0	−4.4	−3.8
6	−3.3	−1.6	−4.5	−0.1	6.6	0.6	0.5	2.8	1.5	−2.8	0.1	−0.1	0.0
7	1.4	2.7	0.4	6.4	15.4	9.0	8.3	11.4	11.5	4.6	5.5	6.6	6.9
8	7.8	13.3	14.9	15.3	20.1	16.5	17.2	22.5	24.5	16.6	10.7	13.8	15.9
9	18.4	22.6	25.2	23.7	30.5	23.8	27.5	30.9	33.6	27.1	20.8	21.6	25.5
10	27.7	31.0	32.6	31.6	33.8	27.9	33.2	34.4	41.1	34.4	27.9	25.2	31.7
11	30.8	29.4	38.2	35.6	33.0	28.6	35.1	34.6	40.8	38.6	31.4	30.4	33.9
12	25.6	23.9	35.4	32.4	28.3	24.7	30.7	25.7	32.5	34.2	26.9	26.4	28.9
1 p. m.	18.1	14.6	23.1	22.9	19.6	14.3	20.8	17.9	23.1	20.9	17.1	17.5	19.2
2	10.7	3.5	9.6	11.6	10.8	6.0	10.2	7.6	7.6	8.8	7.4	8.2	8.5
3	1.6	−5.0	0.2	−2.2	0.9	−0.7	−3.2	−2.6	−9.5	−1.5	−1.5	−1.0	−2.0
4	−6.1	−9.6	−8.5	−12.2	−10.7	−7.3	−11.8	−14.0	−17.2	−10.7	−8.7	−6.8	−10.3
5	−9.2	−10.5	−14.7	−14.2	−18.0	−11.9	−15.7	−17.4	−21.3	−16.0	−12.4	−11.5	−14.4
6	−12.3	−8.6	−15.0	−17.1	−20.1	−13.5	−15.9	−18.7	−21.0	−17.9	−14.5	−14.6	−15.8
7	−11.9	−9.9	−17.8	−19.2	−23.0	−12.5	−16.8	−17.6	−21.0	−18.6	−13.1	−15.9	−16.4
8	−11.2	−12.3	−17.7	−21.6	−22.1	−14.8	−17.2	−16.6	−24.8	−18.7	−15.8	−15.0	−17.3
9	−12.7	−10.8	−15.8	−18.7	−25.1	−16.9	−16.8	−16.4	−20.8	−16.7	−15.4	−16.0	−16.8
10	−10.8	−11.5	−14.7	−15.5	−21.3	−15.3	−16.6	−17.6	−17.3	−15.2	−16.4	−14.3	−15.5
11	−12.1	−11.8	−14.9	−14.3	−17.5	−13.6	−16.6	−16.4	−16.9	−14.2	−12.8	−14.2	−14.6
12	−12.5	−11.7	−14.2	−13.1	−15.9	−11.0	−13.9	−14.2	−16.5	−13.1	−9.7	−10.3	−13.0
Total amount of variation.	284.3	282.2	353.2	359.3	399.5	302.9	367.3	375.8	432.4	370.2	295.4	299.7	340.9

TABLE 24. Mean diurnal variation of Vertical Force in the year 1891.

Observed by means of Wild's magnetometer.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	8.5	8.4	10.1	5.6	2.9	4.4	4.4	3.5	3.7	5.7	3.5	5.6	5.5
2	8.6	9.2	6.9	4.1	−0.4	3.9	3.5	3.2	2.5	5.3	3.3	4.2	4.5
3	8.3	8.3	8.0	4.4	0.8	3.5	3.2	3.0	3.4	4.0	3.9	3.7	4.5
4	7.7	7.4	8.2	4.7	1.7	3.9	3.0	3.2	3.2	5.2	4.0	3.0	4.6
5	8.6	6.8	7.6	5.2	2.4	5.0	4.0	2.7	3.7	7.0	5.0	3.8	5.2
6	11.3	9.1	9.4	4.4	−2.7	1.5	0.1	−2.1	1.8	10.4	10.1	6.8	5.0
7	10.4	14.0	12.5	6.1	−3.4	−2.4	−3.2	−3.4	5.7	17.8	13.2	7.6	6.2
8	4.2	7.6	7.0	5.6	2.6	−2.8	−1.4	−2.1	4.7	12.7	10.6	4.2	4.4
9	−6.7	−5.9	−8.9	−3.6	−1.4	−5.2	−3.8	−3.9	−2.3	−1.2	−0.7	−2.7	−3.9
10	−19.3	−19.0	−25.3	−16.9	−7.2	−10.3	−9.1	−8.9	−14.8	−15.8	−13.3	−10.2	−14.2
11	−28.7	−24.9	−35.3	−26.4	−11.6	−14.0	−12.0	−10.4	−21.5	−32.9	−25.1	−18.9	−21.8
12	−31.7	−24.8	−37.7	−25.4	−15.3	−15.6	−13.5	−8.9	−19.1	−39.1	−29.4	−23.7	−23.7
1 p. m.	−26.3	−19.8	−28.3	−15.4	−18.1	−12.9	−13.8	−8.4	−15.2	−29.9	−24.5	−19.9	−19.4
2	−17.0	−11.6	−13.3	−11.1	−17.0	−12.0	−12.4	−7.3	−10.7	−15.8	−15.3	−13.7	−13.1
3	−6.0	−5.3	−4.2	−4.5	−11.2	−9.5	−8.0	−7.4	−3.2	−3.7	−5.0	−8.1	−6.3
4	4.6	−2.4	4.7	1.8	−0.6	−1.9	−2.0	−3.9	2.7	6.0	2.7	−2.0	0.8
5	9.3	−0.2	8.8	6.5	8.1	6.4	4.4	2.2	8.0	9.6	7.8	4.2	6.3
6	9.6	1.5	8.7	8.5	12.5	11.0	10.0	8.6	8.3	9.0	7.3	7.0	8.5
7	7.0	4.0	10.7	9.4	11.7	8.6	8.3	7.4	6.6	8.6	7.0	7.5	8.1
8	5.9	6.1	10.9	10.4	13.0	9.0	9.1	7.3	8.1	9.4	7.2	7.6	8.7
9	7.0	6.0	10.0	9.2	12.2	10.1	8.5	7.0	7.1	7.9	8.1	9.3	8.5
10	7.0	7.4	9.7	7.1	10.0	8.8	8.1	7.3	6.3	7.3	8.7	9.1	8.1
11	8.5	9.2	10.2	6.4	6.5	6.8	7.3	6.5	5.9	6.9	6.9	9.1	7.5
12	9.3	9.2	9.1	4.5	4.5	4.3	5.4	4.9	5.4	5.4	4.4	7.0	6.1
Total amount of variation.	271.5	228.1	305.5	207.2	177.8	173.8	158.5	133.5	173.9	276.6	227.0	198.9	204.9

TABLE 25. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Declination — 1891.

	January	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	1.1	1.3	1.3	0.8	1.2	0.7	0.8	0.6	1.3	1.0	1.2	1.1
2	0.7	0.9	1.5	1.2	0.6	0.8	0.5	1.1	0.7	0.9	1.0	1.1
3	0.9	1.0	1.2	0.7	1.0	0.6	0.8	1.4	0.8	1.2	1.3	0.9
4	0.5	0.9	1.2	0.7	1.1	1.1	1.2	1.3	0.8	1.3	1.0	1.2
5	1.0	1.4	1.2	0.7	1.0	1.1	0.9	1.3	1.4	1.4	1.2	1.2
6	0.9	1.3	1.1	0.6	1.3	1.2	1.1	1.0	0.8	0.8	0.9	1.0
7	1.2	1.0	0.9	1.1	1.4	1.3	1.1	1.0	0.8	0.9	0.7	1.6
8	0.8	0.7	0.7	1.3	1.0	1.2	1.1	0.9	0.7	1.0	0.7	1.8
9	0.6	1.0	0.9	1.3	0.7	1.3	0.8	0.7	0.9	1.0	1.0	1.2
10	0.6	1.0	0.9	1.1	1.2	0.8	1.0	0.9	1.2	1.1	0.8	1.1
11	1.0	1.1	1.1	1.0	1.0	1.1	0.6	1.2	1.5	1.1	0.9	1.0
12	1.5	1.2	1.4	1.2	1.0	0.8	1.0	0.9	1.2	1.2	0.9	0.4
13	0.7	1.2	1.0	0.9	0.9	0.7	0.9	1.2	0.9	0.8	0.8	0.8
14	0.9	0.9	0.8	0.9	1.4	0.8	0.9	0.8	0.8	0.6	1.3	0.7
15	1.2	1.3	1.0	0.9	2.3	0.8	0.8	1.0	0.9	0.7	1.2	0.8
16	1.2	0.8	0.9	1.2	1.5	0.8	1.0	1.1	0.9	0.9	0.9	1.0
17	1.1	0.4	0.8	1.7	1.4	0.8	1.5	1.1	1.2	1.0	1.0	0.8
18	1.2	1.1	0.8	1.2	0.9	0.8	1.4	1.0	0.8	1.1	0.9	0.7
19	0.7	0.8	0.6	0.8	1.0	1.7	1.2	1.0	0.8	0.9	0.9	1.0
20	1.3	1.1	0.8	0.9	0.5	1.2	1.2	0.8	1.2	1.0	1.7	1.2
21	0.9	1.1	0.9	1.3	0.8	1.2	1.3	0.7	1.4	1.0	1.6	1.4
22	0.8	0.9	1.0	0.9	0.6	1.3	0.9	1.4	0.9	1.0	1.1	1.1
23	0.8	0.9	0.8	1.0	0.4	0.9	1.2	0.9	1.0	1.4	0.8	1.0
24	1.2	0.9	1.1	0.8	1.1	1.1	1.1	0.8	0.9	1.0	1.0	1.0
25	1.0	1.0	1.1	1.2	0.9	1.3	1.2	0.9	1.0	0.7	0.9	0.7
26	1.6	0.9	1.3	1.2	0.6	1.3	0.9	0.7	1.1	0.8	1.2	0.6
27	1.2	0.9	1.3	0.9	0.9	1.1	1.3	0.6	1.0	1.0	1.1	0.6
28	1.2	1.0	0.9	1.0	1.3	0.9	0.4	1.3	1.2	1.2	0.5	0.6
29	1.2		0.5	0.8	1.2	0.8	0.9	0.8	0.9	0.8	0.8	1.1
30	1.3		1.0	1.0	0.4	0.7	0.8	1.4	1.1	1.1	0.9	1.2
31	1.1		0.9		0.7		0.9	1.1		1.0		1.1
Mean ratio.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Mean amount of differences.	19.9	21.9	17.4	12.4	16.0	11.7	14.5	15.7	20.7	21.7	25.7	25.0

TABLE 26. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Horizontal Force — 1891.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	0.9	1.5	0.7	0.7	1.1	1.0	0.6	0.7	0.9	0.9	1.1	0.8
2	1.1	0.9	1.7	0.7	0.6	0.7	0.6	1.1	1.0	1.1	1.0	0.8
3	1.0	0.6	1.8	1.0	1.4	1.1	0.7	1.7	0.7	1.2	1.3	0.8
4	0.9	0.7	0.8	1.0	0.9	1.1	0.8	0.8	1.2	0.8	1.3	1.0
5	1.2	0.8	1.1	0.7	0.6	1.1	0.8	0.7	1.0	1.3	1.6	1.1
6	0.6	0.7	0.6	1.1	1.6	0.9	1.2	1.0	1.2	1.1	0.9	0.5
7	0.9	0.6	0.6	1.1	0.8	0.7	1.2	1.4	0.9	1.2	1.0	2.3
8	1.0	0.9	0.8	1.9	0.9	0.8	1.0	1.0	1.0	0.7	1.3	1.5
9	0.9	0.8	1.1	0.9	0.6	1.0	0.8	1.0	1.2	1.2	1.0	1.5
10	1.3	0.9	0.8	0.9	0.7	0.8	1.1	1.0	1.3	1.6	1.1	1.2
11	0.9	0.6	1.0	1.0	0.7	1.0	0.9	1.2	1.0	0.9	1.2	0.8
12	1.2	1.1	1.1	1.2	0.7	0.7	1.2	0.9	1.0	1.4	0.5	0.6
13	0.8	1.2	1.0	0.7	1.2	1.0	1.2	1.0	0.7	0.9	0.4	0.7
14	1.7	0.5	1.1	0.8	1.9	2.0	1.3	0.8	0.9	1.1	1.1	0.8
15	0.9	1.8	0.8	1.0	2.5	1.2	0.7	1.1	1.3	0.9	0.7	0.5
16	1.3	1.2	1.1	1.0	2.4	0.8	0.9	0.9	0.6	0.8	0.7	0.6
17	1.1	1.3	0.8	2.1	0.8	0.9	2.1	0.8	1.1	1.0	0.8	0.7
18	1.1	1.0	0.9	1.0	0.6	0.9	0.9	0.6	0.9	1.0	0.9	0.9
19	1.2	1.1	0.8	0.9	0.8	1.0	0.7	0.6	0.8	0.8	1.0	1.3
20	0.5	1.1	1.0	1.4	0.6	1.1	1.1	1.0	1.1	0.7	2.6	0.8
21	1.1	1.0	1.0	0.8	0.9	1.0	1.0	0.9	0.9	0.8	0.9	0.9
22	0.7	1.1	1.4	0.8	0.9	1.2	0.8	1.0	0.8	1.0	0.7	1.2
23	0.9	1.2	1.2	1.0	0.7	1.2	1.2	0.9	1.4	1.1	0.7	0.8
24	1.2	1.3	1.1	1.1	1.0	0.8	1.6	0.7	0.9	1.0	0.9	0.9
25	1.1	1.0	1.0	1.1	0.8	1.1	1.2	1.1	0.9	0.8	0.8	0.7
26	1.1	1.1	1.1	0.9	0.8	1.2	1.1	1.3	1.6	1.0	0.8	0.9
27	1.1	0.9	0.8	0.9	1.0	1.1	0.8	0.7	0.9	0.7	1.0	0.5
28	0.9	1.2	0.9	0.9	1.6	1.0	1.1	0.8	1.2	0.7	1.1	0.9
29	0.5		1.1	1.1	0.8	1.1	0.9	2.1	0.8	1.0	0.7	1.3
30	1.1		1.1	0.8	0.5	0.7	0.8	0.8	1.0	1.1	1.0	2.1
31	1.0		0.8		0.7		0.7	1.4		1.1		1.4
Mean ratio.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Mean amount of differences.	298	306	399	387	419	333	380	393	472	398	337	363

TABLE 27. Showing, for every day, the ratio R, a relative measure of the diurnal variation, as deduced from Table C. — Vertical Force — 1891.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1	0.7	1.6	1.1	0.9	0.9	0.7	0.8	0.6	1.0	0.9	1.2	1.1
2	0.9	0.9	1.6	0.9	0.7	0.8	0.6	1.3	0.8	1.1	1.4	0.6
3	0.7	1.1	1.4	1.0	1.0	1.0	1.0	1.1	0.6	1.3	1.6	0.7
4	0.7	1.3	0.9	1.3	0.8	1.0	0.6	0.8	0.7	1.1	1.3	1.4
5	0.7	1.6	1.0	1.1	0.9	1.0	0.5	0.8	0.7	1.6	1.5	1.3
6	0.5	1.1	0.9	1.0	1.4	0.6	1.3	1.2	0.5	1.1	0.7	1.3
7	1.1	1.2	0.7	1.9	0.8	1.1	1.1	1.4	0.8	1.1	1.4	1.8
8	0.9	0.5	0.7	1.9	0.8	0.9	0.8	0.9	1.9	1.1	0.9	1.0
9	0.9	0.7	1.2	1.0	0.6	0.8	0.9	0.9	0.8	1.3	1.0	1.0
10	0.9	1.4	0.9	0.8	0.5	1.2	1.2	1.1	0.8	1.5	0.8	0.6
11	0.8	0.8	1.5	1.1	0.6	1.2	0.8	1.1	0.9	0.9	0.7	1.0
12	1.0	1.2	1.4	1.0	0.7	0.8	1.5	1.0	0.9	1.0	0.9	0.3
13	0.3	0.7	1.0	0.7	1.0	0.9	1.6	1.0	1.2	0.6	0.9	0.9
14	1.1	1.0	1.1	0.9	1.4	1.9	1.4	0.8	1.2	1.0	1.4	0.6
15	0.8	0.8	1.0	0.9	2.5	1.5	0.9	1.3	1.3	1.0	0.8	0.6
16	0.9	1.1	0.9	0.8	2.2	1.2	1.2	1.0	0.9	1.0	0.8	0.9
17	0.6	0.6	0.9	1.9	0.8	1.1	2.1	0.7	1.0	0.8	1.2	0.9
18	0.8	0.5	0.8	1.1	0.4	0.8	1.0	1.3	1.0	1.0	0.8	0.9
19	0.9	0.8	1.1	0.8	1.0	0.6	0.6	0.7	1.0	0.7	0.8	1.2
20	1.2	1.3	1.0	0.9	0.9	1.0	1.0	1.2	1.2	1.0	1.7	0.5
21	0.8	1.0	0.9	0.7	1.2	1.0	0.8	1.3	0.8	1.0	1.0	0.5
22	1.0	0.9	0.7	0.5	1.0	0.7	1.0	0.8	1.0	0.9	0.6	1.3
23	1.0	0.9	0.7	1.2	0.9	1.6	0.7	1.1	1.4	0.9	1.0	1.1
24	1.4	1.0	1.1	0.8	1.1	0.9	1.5	0.8	0.9	0.8	1.3	1.2
25	1.6	0.9	1.2	0.9	0.9	0.9	0.8	0.7	0.8	0.6	0.6	1.2
26	2.1	1.3	0.9	0.8	0.6	1.0	0.9	1.3	1.4	0.8	0.6	0.5
27	1.6	1.0	1.0	0.9	1.0	1.1	0.8	0.8	0.9	0.8	0.9	0.5
28	1.4	0.9	1.0	0.9	1.7	1.1	1.4	0.5	1.1	1.0	0.5	0.8
29	1.0		0.8	0.9	0.9	1.1	1.1	1.7	1.2	0.9	1.0	1.6
30	1.6		1.0	0.7	0.8	0.5	0.7	0.9	1.4	1.3	0.6	1.9
31	1.2		0.5		0.9		0.6	1.1		1.0		1.5
Mean ratio.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Mean amount of differences.	323	298	356	283	273	255	260	246	281	326	297	285

TABLE 28. Mean hourly and monthly Amount of Deviations, positive and negative taken conjointly. — Declination 1891. — Unity = 0′.1.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	2.6	3.2	2.6	2.7	2.8	2.5	1.9	2.0	3.9	2.8	2.3	3.2	2.70
2	2.4	2.3	3.0	1.9	2.0	2.8	2.4	2.3	3.7	3.2	2.8	3.8	2.72
3	2.3	3.5	2.5	1.8	2.8	2.8	2.8	2.3	3.0	2.9	2.5	4.4	2.80
4	2.3	3.5	2.4	2.6	1.9	2.0	2.4	3.0	3.9	3.4	2.1	4.5	2.83
5	2.4	3.9	2.8	2.4	2.1	1.9	3.5	2.9	3.5	3.1	2.3	3.4	2.84
6	5.6	5.9	4.6	3.0	3.1	1.8	3.0	2.9	3.5	5.9	4.5	5.7	4.12
7	5.7	5.9	5.3	5.2	5.1	3.6	3.8	4.1	6.9	5.9	3.9	6.3	5.14
8	4.7	4.2	5.3	4.1	6.9	3.7	4.3	3.9	7.6	3.6	3.9	6.9	4.93
9	4.3	5.7	3.9	4.2	5.3	3.4	3.7	4.0	6.1	3.7	5.2	6.1	4.63
10	6.3	8.0	5.0	3.4	3.5	4.4	3.0	2.9	5.4	5.7	5.4	7.0	4.98
11	6.8	7.2	6.1	4.5	3.7	4.2	3.4	3.6	3.3	6.5	6.0	8.9	5.34
12	7.7	8.0	6.8	4.7	4.1	4.8	4.0	4.3	5.8	5.6	5.2	8.6	5.79
1 p. m.	8.2	6.0	6.5	3.9	5.3	3.9	5.0	4.6	5.9	5.0	4.7	6.9	5.49
2	7.6	4.7	5.1	3.4	6.0	3.8	5.0	5.4	5.7	4.5	3.7	4.9	5.00
3	5.4	3.6	3.4	3.0	4.5	3.0	4.3	4.2	4.7	3.6	3.6	4.1	3.95
4	5.4	4.5	3.5	3.1	3.3	3.1	3.8	2.8	3.2	3.6	3.0	4.6	3.66
5	4.4	3.7	4.0	2.8	3.8	1.8	3.6	3.0	2.7	3.6	3.6	5.6	3.58
6	3.4	3.0	4.0	2.7	2.5	3.5	3.6	3.0	2.8	2.5	2.3	3.9	3.11
7	3.1	2.6	2.9	2.1	3.0	3.0	3.0	3.5	3.1	2.2	2.3	4.0	2.89
8	2.5	3.0	2.7	2.2	3.0	2.6	2.8	2.7	3.6	2.7	2.7	3.8	2.87
9	2.1	2.3	3.0	2.5	3.6	1.8	2.0	2.1	2.3	2.4	2.3	3.2	2.48
10	2.4	2.2	2.8	2.3	3.1	1.8	1.8	1.3	2.2	2.0	2.6	2.7	2.25
11	2.4	2.3	2.6	2.6	3.6	1.5	1.7	2.0	2.4	2.5	2.5	2.6	2.40
12	2.4	2.6	2.1	2.8	3.1	2.2	1.8	2.7	3.8	2.2	2.6	3.7	2.66
Monthly Means.	4.26	4.24	3.87	3.08	3.66	2.91	3.19	3.15	4.13	3.72	3.42	4.95	3.72

TABLE 29. Mean hourly and monthly Amount of Deviations, positive and negative taken conjointly. — Horizontal Force 1891. — Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	4.0	5.1	4.6	4.7	4.6	3.7	4.0	4.2	6.0	5.3	6.0	6.5	4.90
2	3.2	4.5	7.4	5.7	5.6	3.0	4.0	5.5	4.7	4.3	7.0	7.7	5.20
3	3.0	4.4	5.8	4.4	4.9	3.4	3.4	3.8	5.7	5.2	4.6	5.1	4.47
4	3.3	4.7	5.9	4.9	5.5	3.9	3.1	4.8	8.1	3.9	3.9	7.3	4.93
5	3.4	2.7	6.7	5.8	5.5	3.1	3.1	5.1	7.0	4.2	3.4	5.3	4.62
6	3.6	3.4	5.0	5.4	7.5	4.1	4.9	6.5	6.3	4.2	5.4	6.8	5.27
7	4.6	6.1	4.3	5.8	6.3	4.7	4.3	5.1	6.3	4.9	6.4	7.0	5.49
8	5.0	5.1	4.4	5.9	8.3	5.2	5.5	5.6	4.6	5.2	5.4	8.1	5.70
9	5.0	5.6	4.9	6.0	7.4	4.9	6.1	4.8	5.4	5.0	4.6	7.2	5.57
10	4.6	5.9	6.9	6.0	7.8	4.7	4.3	5.4	7.0	5.6	4.5	6.8	5.81
11	5.5	6.8	5.8	6.6	7.6	5.6	3.9	4.8	6.7	4.3	3.9	6.0	5.62
12	5.3	6.6	6.2	5,3	7.6	5.9	3.3	6.9	8.5	5.4	5.2	6.6	6.06
1 p. m.	4.9	7.0	7.5	5.7	6.3	5.8	5.7	7.0	6.7	8.6	6.7	8.2	6.67
2	4.9	7.1	6.8	6.2	8.2	7.0	6.7	8.8	7.6	7.0	6.6	8.5	7.12
3	4.7	7.5	10.6	7.0	11.1	8.1	5.9	7.7	9.3	5.6	6.4	8.3	7.68
4	4.9	6.9	10.8	9.9	10.5	9.4	5.7	7.2	9.1	5.9	6.4	5.9	7.70
5	4.7	5.6	8.3	5.5	8.4	6.6	4.3	4.8	8.1	6.6	6.3	7.1	6.37
6	4.3	4.2	6.5	7.2	9.9	4.9	4.7	4.9	8.4	5.9	6.4	7.3	6.22
7	5.0	5.4	7.1	8.0	10.8	4.5	5.4	4.9	8.2	5.3	5.4	7.5	6.45
8	3.9	3.9	7.3	8.7	6.2	3.4	5.4	4.5	11.4	5.8	5.9	8.0	6.20
9	4.5	5.5	5.6	6.0	7.9	5.4	5.2	4.6	9.3	5.0	5.9	7.5	6.03
10	3.8	5.3	6.2	7.5	6.3	6.3	5.3	4.6	6.3	5.8	6.3	6.3	5.83
11	3.7	5.1	5.5	6.9	7.4	5.6	4.6	5.1	6.3	5.2	4.3	7.2	5.58
12	5.4	5.5	6.7	7.0	5.3	4.5	4.8	4.7	4.6	4.8	5.0	5.5	5.32
Monthly Means.	4.38	5.41	6.54	6.34	7.37	5.15	4.74	5.46	7.15	5.38	5.49	6.99	5.87

TABLE 30. Mean hourly and monthly Amount of Deviations, positive and negative taken conjointly. — Vertical Force 1891. — Unity = 0.00001 c. g. s.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Year.
1 a. m.	3.5	4.0	4.3	3.9	3.4	2.5	2.6	2.7	4.2	3.6	3.4	4.1	3.50
2	2.9	3.9	5.6	6.1	4.9	2.7	3.4	3.9	3.4	3.5	4.0	3.5	3.98
3	2.8	3.8	4.0	4.3	3.3	3.7	3.7	3.4	4.6	3.9	3.6	2.6	3.64
4	3.1	3.6	3.1	3.9	3.8	3.4	4.1	3.8	5.4	3.5	3.6	4.8	3.84
5	3.7	2.9	3.7	4.7	4.4	3.9	4.1	3.3	5.2	3.0	3.6	3.9	3.86
6	3.9	3.7	4.1	4.0	4.7	4.1	5.4	5.1	6.1	4.0	5.1	5.3	4.64
7	5.6	4.8	4.1	4.4	5.5	4.9	5.2	4.0	6.3	4.8	6.9	8.7	5.44
8	9.0	6.8	6.1	7.7	8.3	6.1	6.1	5.7	6.0	6.9	9.5	8.3	7.21
9	8.5	7.1	6.2	6.8	8.3	6.2	6.5	5.9	6.2	7.8	7.6	8.4	7.13
10	9.3	5.8	6.6	5.5	7.0	5.9	6.8	4.7	7.7	5.6	5.7	8.1	6.57
11	7.6	7.0	6.2	4.9	6.6	4.9	5.7	4.3	7.4	4.6	6.6	6.2	6.00
12	8.5	7.0	5.1	5.3	6.4	4.3	5.4	6.1	7.3	4.8	5.8	6.5	6.03
1 p. m.	9.2	7.0	6.2	3.9	6.0	5.2	5.4	6.6	7.2	5.8	5.6	7.3	6.29
2	10.5	9.5	7.8	4.0	6.8	4.4	6.2	7.0	6.4	6.6	6.2	8.6	7.01
3	9.1	9.6	9.8	4.7	8.7	6.6	5.1	7.4	5.8	5.6	8.1	8.4	7.40
4	7.5	6.6	9.8	5.8	8.0	6.2	4.9	6.6	5.6	4.7	6.5	8.1	6.71
5	5.5	4.9	6.4	3.4	6.6	5.0	3.1	3.9	4.6	4.9	5.3	5.1	4.89
6	3.3	4.8	4.1	3.8	5.5	4.8	3.1	3.5	5.0	4.3	4.8	4.4	4.27
7	3.4	3.8	3.7	4.9	5.0	3.3	2.9	2.3	5.1	3.8	3.3	4.5	3.84
8	3.3	2.7	4.3	6.0	3.8	2.5	3.0	2.4	6.0	3.5	3.5	4.5	3.79
9	3.3	3.6	3.7	4.5	5.3	4.1	3.1	2.9	5.1	2.7	3.9	5.1	3.94
10	3.0	3.4	4.1	5.1	3.8	5.5	3.1	2.8	3.9	3.6	5.1	5.0	4.02
11	2.9	2.8	3.7	4.8	3.9	4.3	3.7	3.6	4.3	3.6	3.2	5.4	3.85
12	3.9	3.8	4.2	4.2	3.5	3.4	3.2	3.5	4.5	3.2	3.4	3.4	3.68
Monthly Means.	5.55	5.12	5.29	4.86	5.56	4.50	4.40	4.39	5.56	4.52	5.18	5.84	5.06

TABLE 31. Aggregate values and numbers of disturbances, positive and negative taken separately.

1891.	Declination in minutes of arc.				Horizontal Force. Unity = 0.00001 c. g. s.				Vertical Force. Unity = 0.00001 c. g. s.			
	Aggregate values.		Numbers.		Aggregate values.		Numbers.		Aggregate values.		Numbers.	
	Positive.	Negative.	Positive.	Negative.	Positive.	Negative.	Positive.	Negative.	Positive.	Negative.	Positive.	Negative.
January	29.8	31.9	20	17	446	332	31	22	891	937	47	58
February	34.3	19.8	21	12	724	769	43	37	749	521	48	37
March	14.6	23.0	10	14	1178	1231	51	63	749	783	49	48
April	11.5	6.7	8	4	910	1077	52	52	652	549	39	34
May	18.3	14.8	8	9	1375	1658	68	87	1041	908	67	58
June	9.9	1.4	7	1	625	871	32	46	364	464	19	29
July	9.7	6.9	6	6	599	655	39	31	483	464	33	29
August	9.7	4.7	7	3	726	887	42	45	599	426	32	29
September	25.2	16.8	15	9	1039	1478	62	77	919	676	58	45
October	16.3	15.0	11	10	780	818	51	50	403	495	23	36
November	19.9	11.4	12	8	942	762	50	41	707	599	47	37
December	35.9	37.9	21	23	1291	1432	69	67	1063	952	55	59
Total amount.	235.1	190.3	146	116	10635	11970	590	618	8620	7774	517	499

TABLE 32. Aggregate values, numbers of disturbances, and mean daily value and numbers, positive and negative taken conjointly.

1891.	Declination in minutes of arc.				Horizontal Force. Unity = 0.00001 c. g. s.				Vertical Force. Unity = 0.00001 c. g. s.			
	Aggregate values.	Numbers.	Mean daily value.	Mean daily number.	Aggregate values.	Numbers.	Mean daily value.	Mean daily number.	Aggregate values	Numbers.	Mean daily value.	Mean daily number.
January	61.7	37	1.99	1.2	778	53	25.1	1.7	1828	105	59.0	3.4
February	54.1	33	1.93	1.2	1493	80	53.3	2.9	1270	85	45.4	3.0
March	37.6	24	1.21	0.8	2409	114	77.7	3.7	1532	97	49.4	3.1
April	18.2	12	0.61	0.4	1987	104	66.2	3.5	1201	73	40.0	2.4
May	33,1	17	1.07	0.5	3033	155	97.8	5.0	1949	125	62.9	4.0
June	11.3	8	0.38	0.3	1496	78	49.9	2.6	828	48	27.6	1.6
July	16.6	12	0.54	0.4	1254	70	40.5	2.3	947	62	30.5	2.0
August	14.4	10	0.46	0.3	1613	87	52.0	2.8	1025	61	33.1	2.0
September	42.0	24	1.40	0.8	2517	139	83.9	4.6	1595	103	53.2	3.4
October	31.3	21	1.01	0.7	1598	101	51.5	3.3	898	59	29.0	1.9
November	31.3	20	1.04	0.7	1704	91	56.8	3.0	1306	84	43.5	2.8
December	73.8	44	2.38	1.4	2723	136	87.8	4.4	2015	114	65.0	3.7
Total amount.	425.4	262	14.02	8.7	22605	1208	742.5	39.8	16394	1016	538.6	33.3
Means.			1.168	0.73			61.88	3.32			44.88	2.78

TABLE 33. Mean temperature of Magnetograph- and Magnetometer-rooms, observed at $7^h. 30^m$. a. m. and at Noon respectively.

1891.	Magnetograph.	Magnetometer.		Magnetograph.	Magnetometer.
January	28.87	27.13	July	29.63	27.79
February	28.88	27.05	August	29.64	27.49
March	29.44	27.64	September	30.23	28.12
April	29.81	28.11	October	31.10	29.05
May	30.51	28.85	November	31.01	29.03
June	30.08	28.47	December	29.90	27.99
			Year	29.93	28.06

TABLE 34. Solar Diurnal Variation. — Easterly Declination.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight.

1891.	a_1	b_1	a_2	b_2	A_1	C_1	A_2	C_2
January	0′.02	—1′.08	0′.09	0′.55	1′.08	178°.83	0′.55	9°.57
February	0.10	—1.15	0.16	0.80	1.15	175 17	0.81	11.15
March	—0.10	—0.83	0.14	0.68	0.84	186.50	0.70	11.40
April	0.18	—0.42	—0.19	0.55	0.45	156.93	0.58	340.82
May	0.24	—0 16	—0.66	0.48	0.29	124.42	0.82	306.13
June	0.00	0 03	—0.43	0.31	0.03	5.35	0.52	305.85
July	0 18	—0.08	—0 68	0.32	0.20	114.88	0.75	295 47
August	0 19	—0.28	—0.76	0.38	0.34	145.03	0.85	296.32
September	0.30	—0.63	—0.71	0.75	0.70	154.80	1.03	316.45
October	0.07	—1.02	—0.05	0.98	1.02	176.30	0.98	356.88
November	—0 27	—1.33	0.28	1 13	1 36	191.58	1.17	14.02
December	—0.17	—1.30	0.05	0.92	1.31	187 27	0.92	3.23
Year	0.06	—0.69	—0.23	0.65	0.69	175.08	0.69	340.67

TABLE 35. Solar Diurnal Variation. — Horizontal Force.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight. — Unity = 0.00001 c. g. s.

1891.	a_1	b_1	a_2	b_2	A_1	C_1	A_2	C_2
January	—16.86	4.62	7.83	—3 27	17.48	285°.33	8.49	112°.67
February	—15.60	6 17	6.42	—5.73	16 78	291.57	8.60	131.77
March	—20.65	7.51	10.19	—3.45	21.98	290.00	10.76	108.68
April	—20.07	9.26	9.64	—3.10	22.10	294.78	10.13	107 82
May	—20.59	13.12	7.16	—2.70	24.42	302.52	7.65	110.62
June	—17.59	8.00	5.87	—3.90	19.32	294.47	7.05	123.58
July	—20.61	9.19	8.27	—4.87	22.56	294.03	9.60	120.52
August	—20 18	11.27	7 51	—5.99	23.12	299.18	9.61	128.58
September	—23.35	15.47	10 44	—6.03	28.01	303.53	12.06	119.98
October	—21.32	10.13	10.17	—4.68	23.60	295.43	11.19	114 73
November	—17.39	7.84	8.11	—2.66	19.07	294.27	8.53	108.15
December	—19.42	7 54	7.13	—2.55	20 83	291.23	7.58	109.68
Year	—19.48	9.18	8.23	—4.09	21.53	295.25	9.19	116.42

TABLE 36. Solar Diurnal Variation. — Vertical Force.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight. — Unity = 0.00001 c. g. s.

1891.	a_1	b_1	a_2	b_2	A_1	C_1	A_2	C_2
January	16.40	—5.54	— 9.47	0 89	17.31	108°.65	9.52	275°.38
February	16.69	—4.12	— 7.51	—0.05	17.19	103 87	7.51	269 62
March	18.93	—7.50	—11 49	0.83	20.36	111 62	11.52	274 10
April	14.11	—7.62	— 8.57	0.09	16.04	118.38	8.57	270.62
May	12.16	—8.53	— 6.01	—3.50	14.86	125.05	6.95	239.80
June	12 82	—7.13	— 5.46	—0.95	14.67	119 08	5.54	260.10
July	13.46	— 6.60	— 4.97	—1.34	14.99	116.13	5.15	254.87
August	12.13	—6.53	— 3.32	—0.66	13 77	118.30	3.38	258.82
September	13 85	—7.29	— 7.94	—1.13	15.65	117.77	8.02	261.88
October	16 78	—5 56	—12.34	—1.09	17.68	108.33	12.39	264.97
November	14.61	—2.94	—10.91	—1.69	14.90	101.38	11.04	261.22
December	14.68	—3.29	— 7.48	—1.74	15.05	102.63	7.68	256 90
Year	14.72	—6.05	— 7.95	—0.86	15.92	112 33	8.00	263.80

TABLE 37. Solar Diurnal Variation. — Total Force.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight. — Unity = 0.00001 c. g. s.

1891.	a_1	b_1	a_2	b_2	A_1	C_1	A_2	C_2
January	— 6.85	1.38	2.31	—2.43	6.99	281°.40	3.35	136°.48
February	— 5.61	3.42	2.00	—5.04	6.57	301.32	5.42	158.35
March	— 8.96	2.97	3.40	—2.62	9.44	288.35	4.29	127.60
April	—10.78	4.45	4.32	—2.66	11.66	292.43	5 07	121.65
May	—12.17	7.39	3.37	—4.05	14.24	301.27	5 27	140.22
June	— 9.22	3.56	2.49	—3.88	9.88	291.12	4.61	147.32
July	—11.55	4.88	4 83	—4.92	12.54	292.90	6.90	135 53
August	—11.83	6.73	4.97	—5.57	13.61	299.63	7.47	138.22
September	—13.78	10.04	5.32	—5.82	17.05	306.08	7.88	137.53
October	—10.58	6.20	2.96	—4.62	12.26	300.35	5.49	147 40
November	— 8.18	5.45	1.84	—3.12	9.83	303.70	3.63	149.50
December	— 9.93	5.01	2.65	—3.08	11.13	296.78	4.06	139.27
Year	— 9.95	5.13	3.39	—3.99	11.20	297.28	5.24	139.70

TABLE 38. Solar Diurnal Variation. — Southerly Inclination.

Components and Coefficients of the first two periodical Terms of the Harmonic Formula.
Initial epoch: Midnight.

1891.	a_1	b_1	a_2	b_2	A_1	C_1	A_2	C_2
January	1'.82	—0'.58	—0'.98	0'.20	1'.91	107°.70	1'.00	281°.55
February	1.80	—0.53	—0.78	0.22	1.88	106.55	0.81	285.67
March	2.15	—0.83	—1.22	0.20	2.30	111.18	1 23	279.43
April	1.79	—0 90	—0.99	0.13	2.00	116.82	1.00	277.38
May	1 66	—1.12	—0.70	—0.14	2.00	124.00	0.71	258 67
June	1.60	—0.82	—0.62	0.08	1.80	117.13	0.62	277 73
July	1.76	—0.83	—0.68	0.09	1.95	115.22	0.68	277.92
August	1.65	—0.91	—0.53	0.19	1.88	118.78	0.56	289.57
September	1.90	—1.12	—0.97	0.15	2.20	120.62	0.98	278.95
October	2.03	—0.79	—1.27	0.11	2.17	111.27	1.28	274.77
November	1.72	—0 52	—1.10	—0.02	1.80	106.72	1.10	269.17
December	1.80	—0.54	—0.81	—0.02	1.88	106.67	0.81	268.67
Year	1.80	—0.79	—0.88	0.11	1.97	113.75	0.89	176.85

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